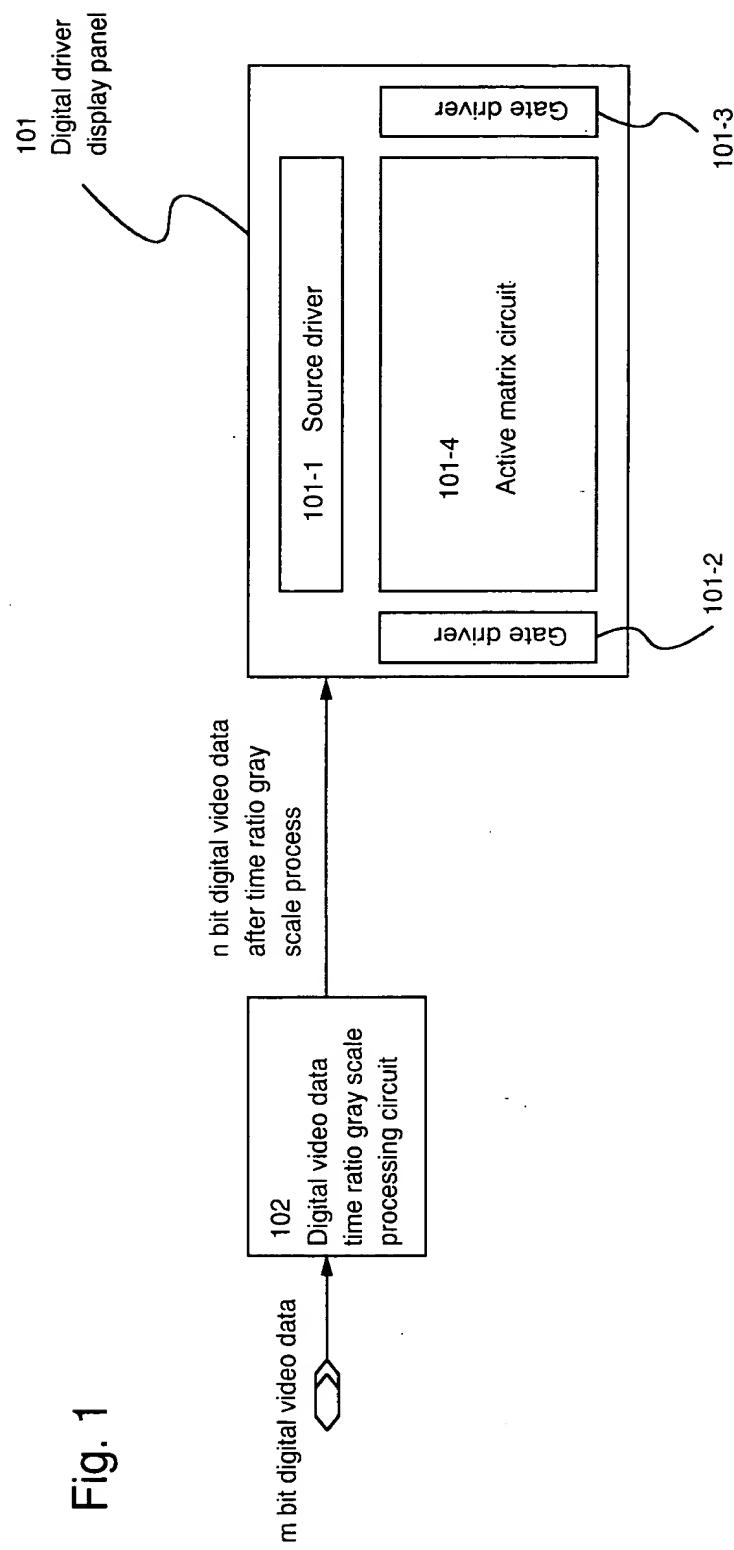
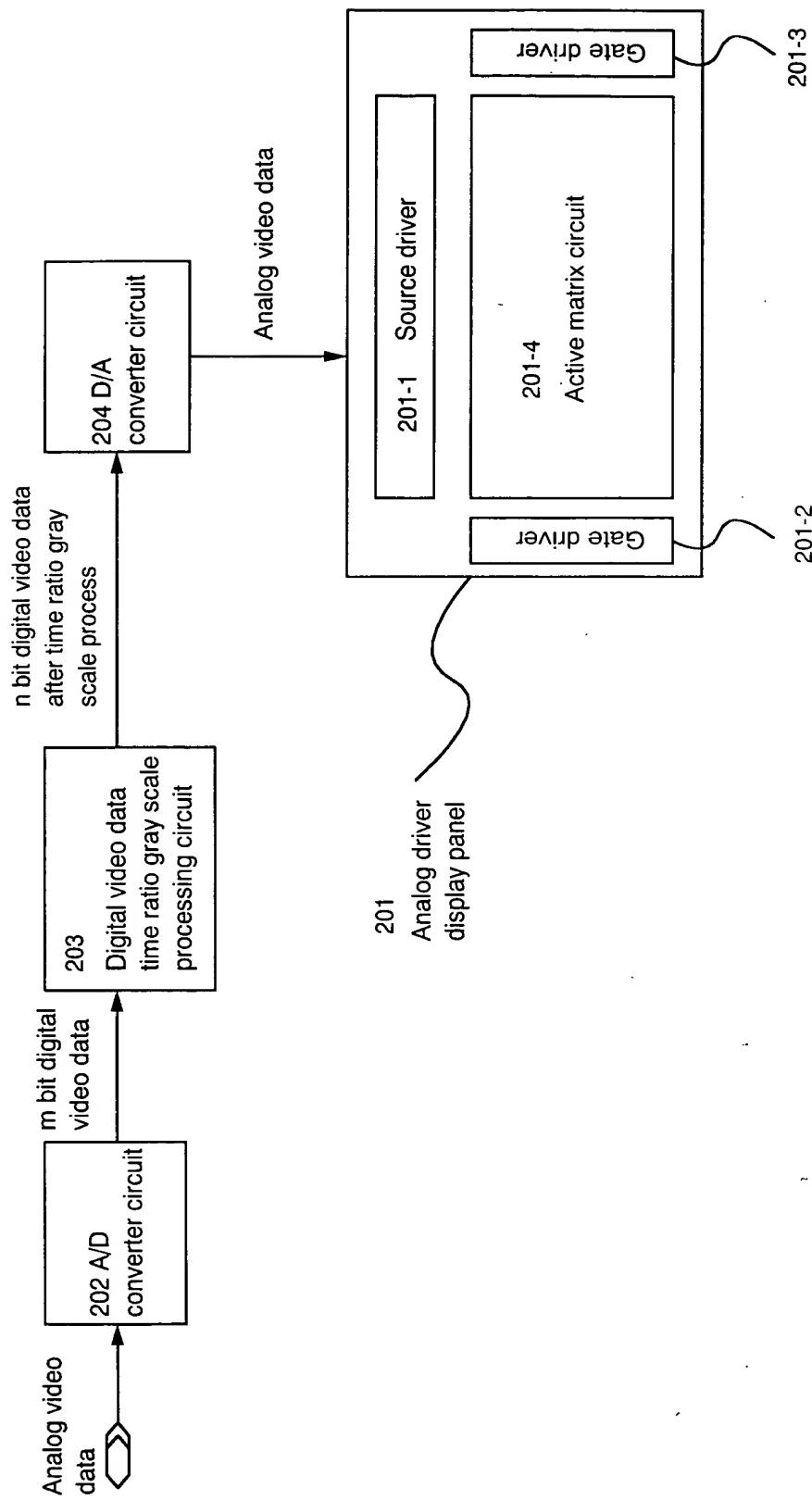


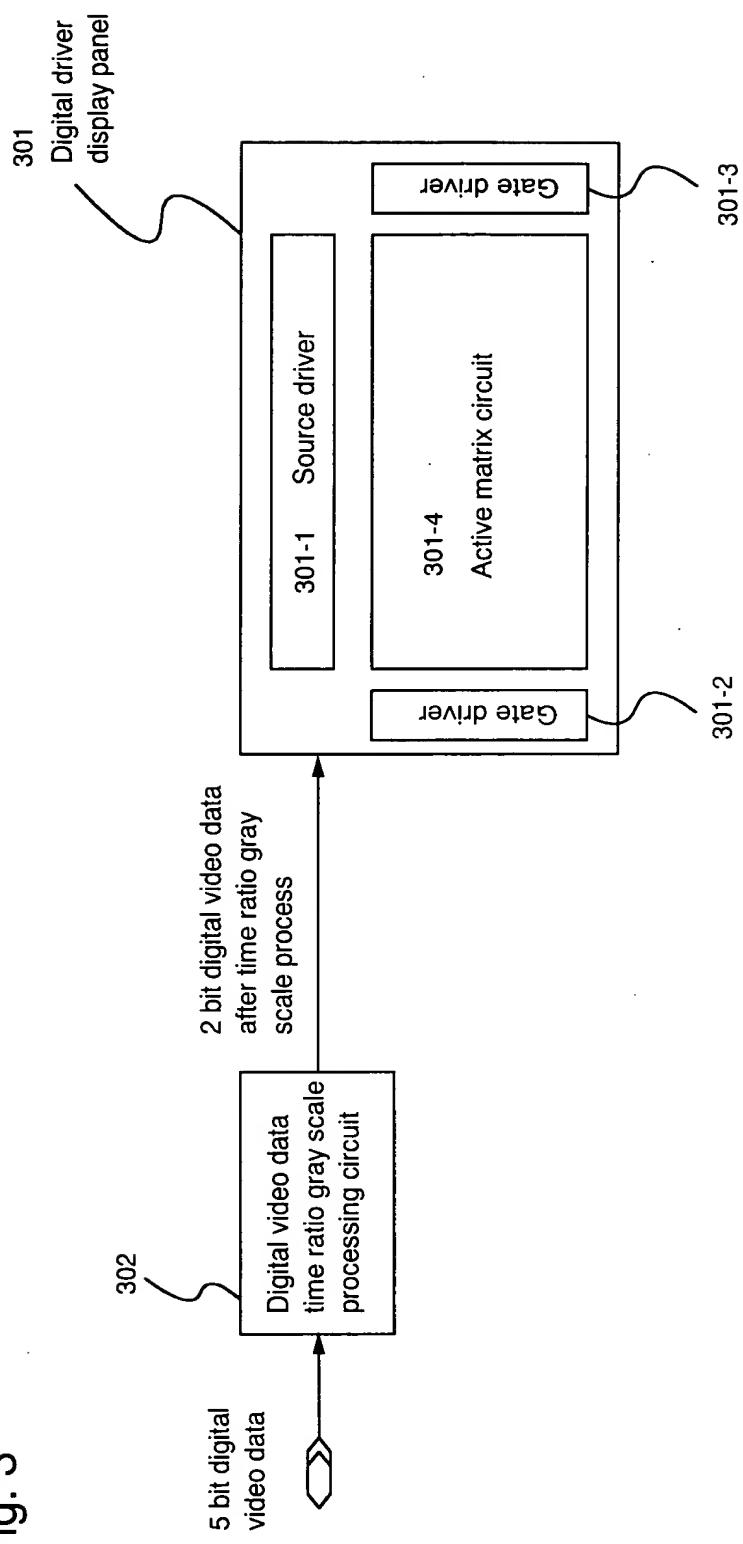
**Fig. 1**



**Fig. 2**



**Fig. 3**



**Fig. 4**

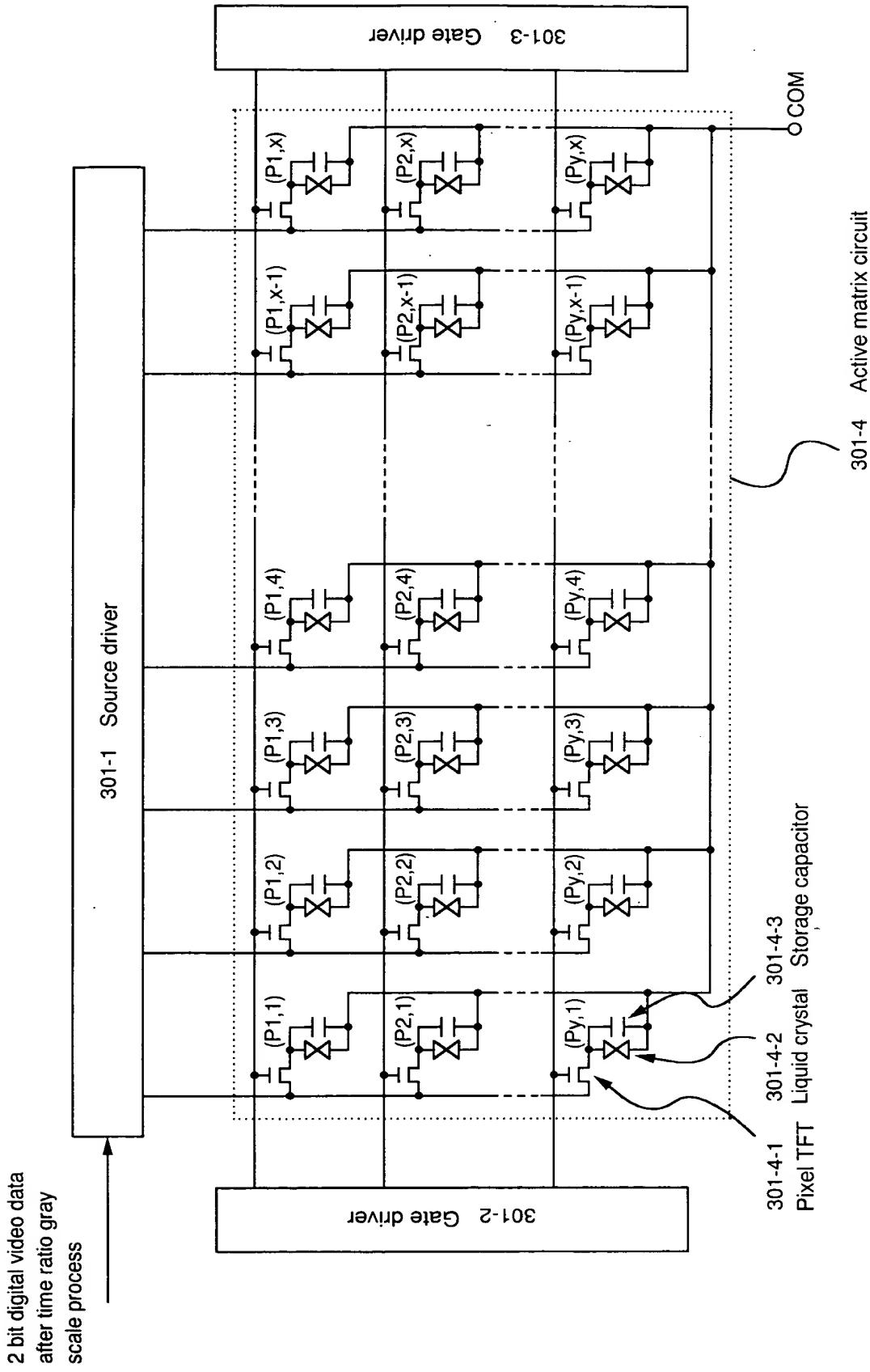
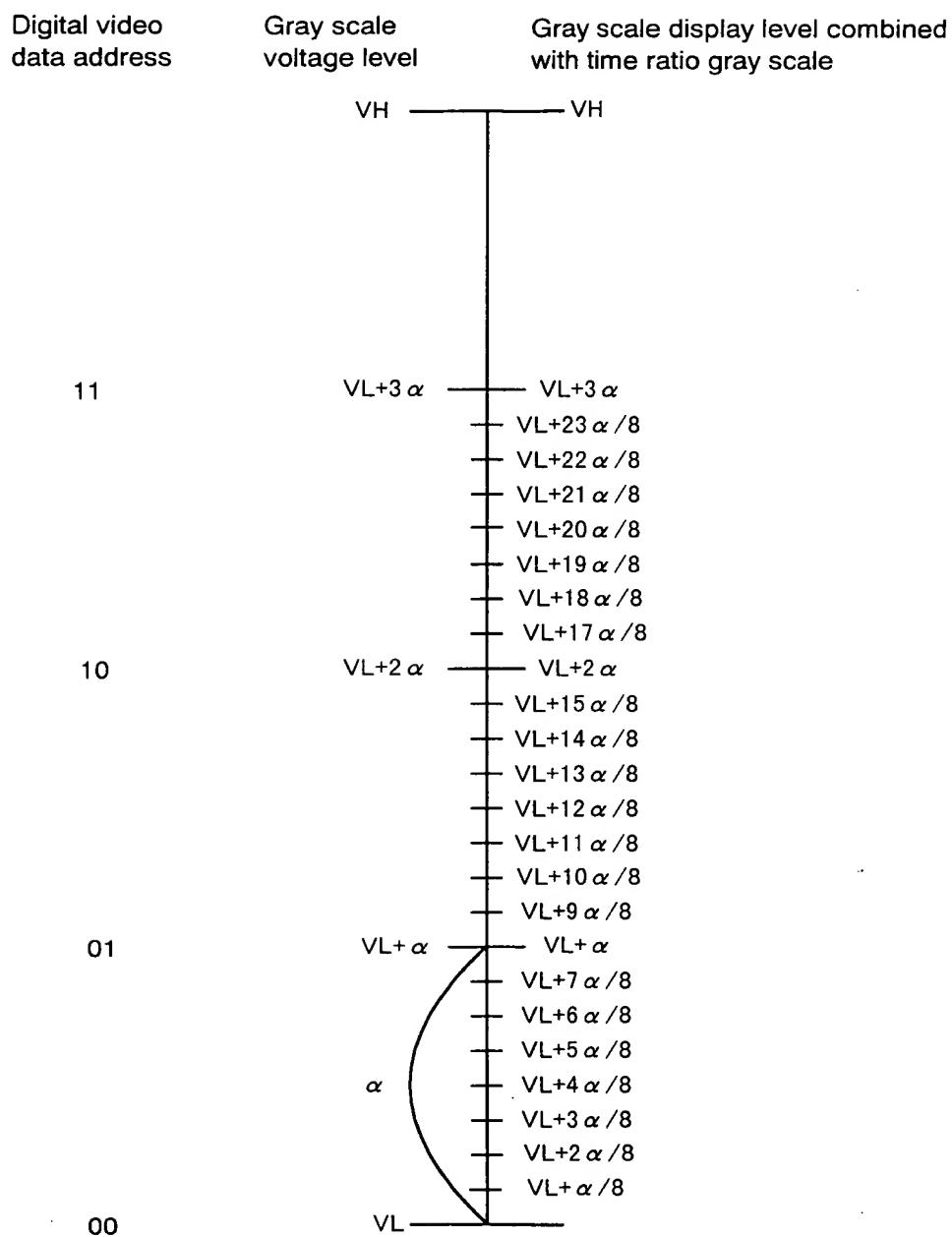


Fig. 5



1st Tsf 2nd Tsf 3rd Tsf 4th Tsf 5th Tsf

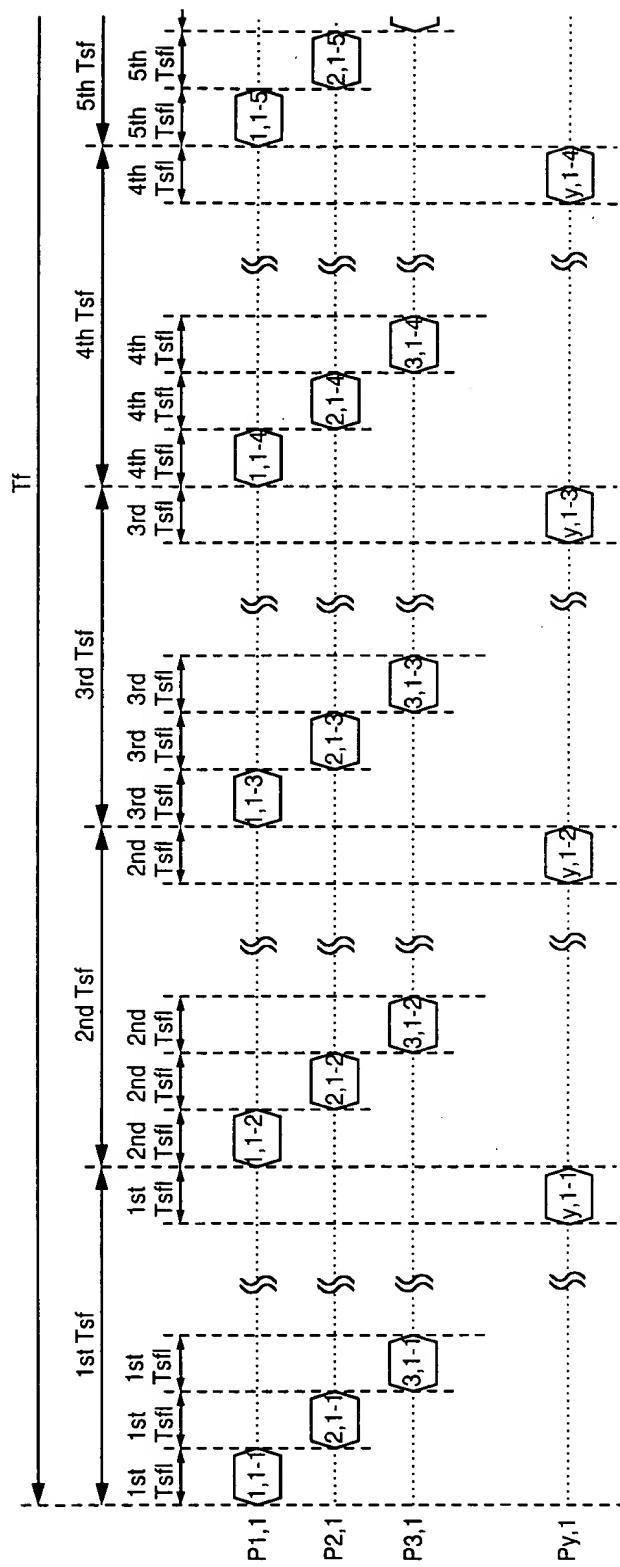
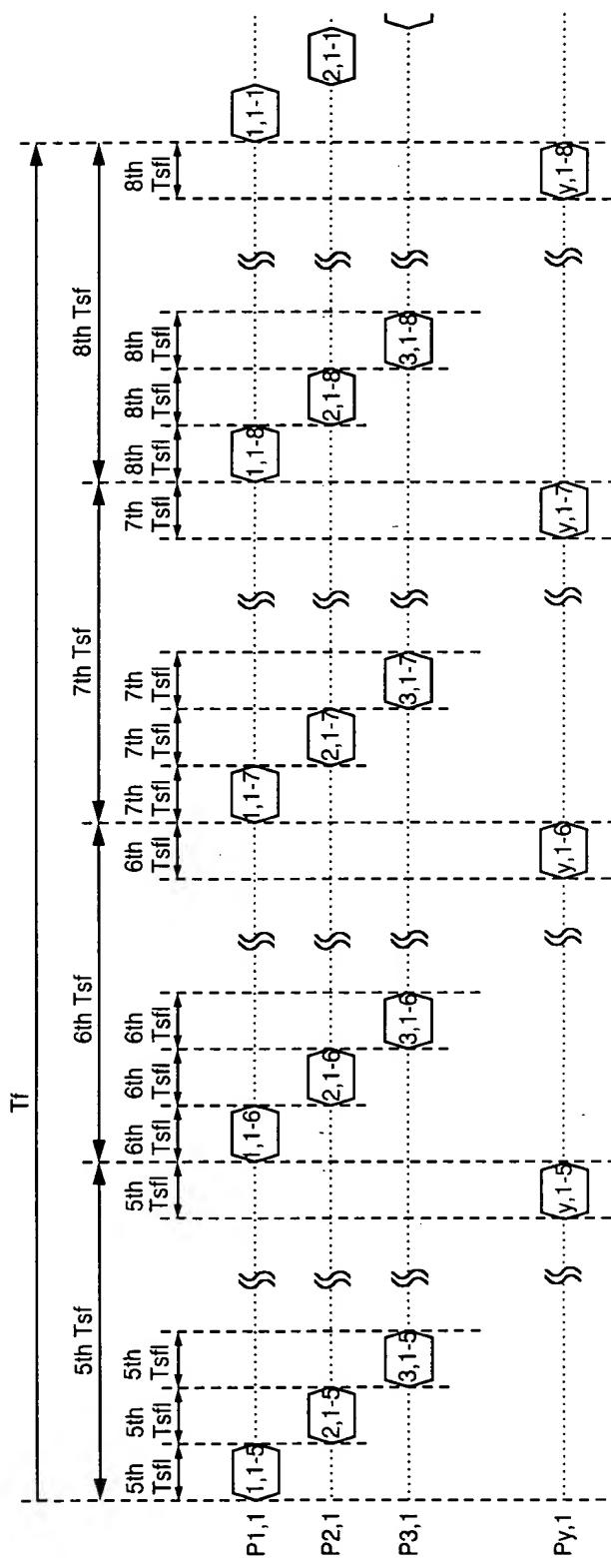


Fig. 6

**Fig. 7**



**Fig. 8**

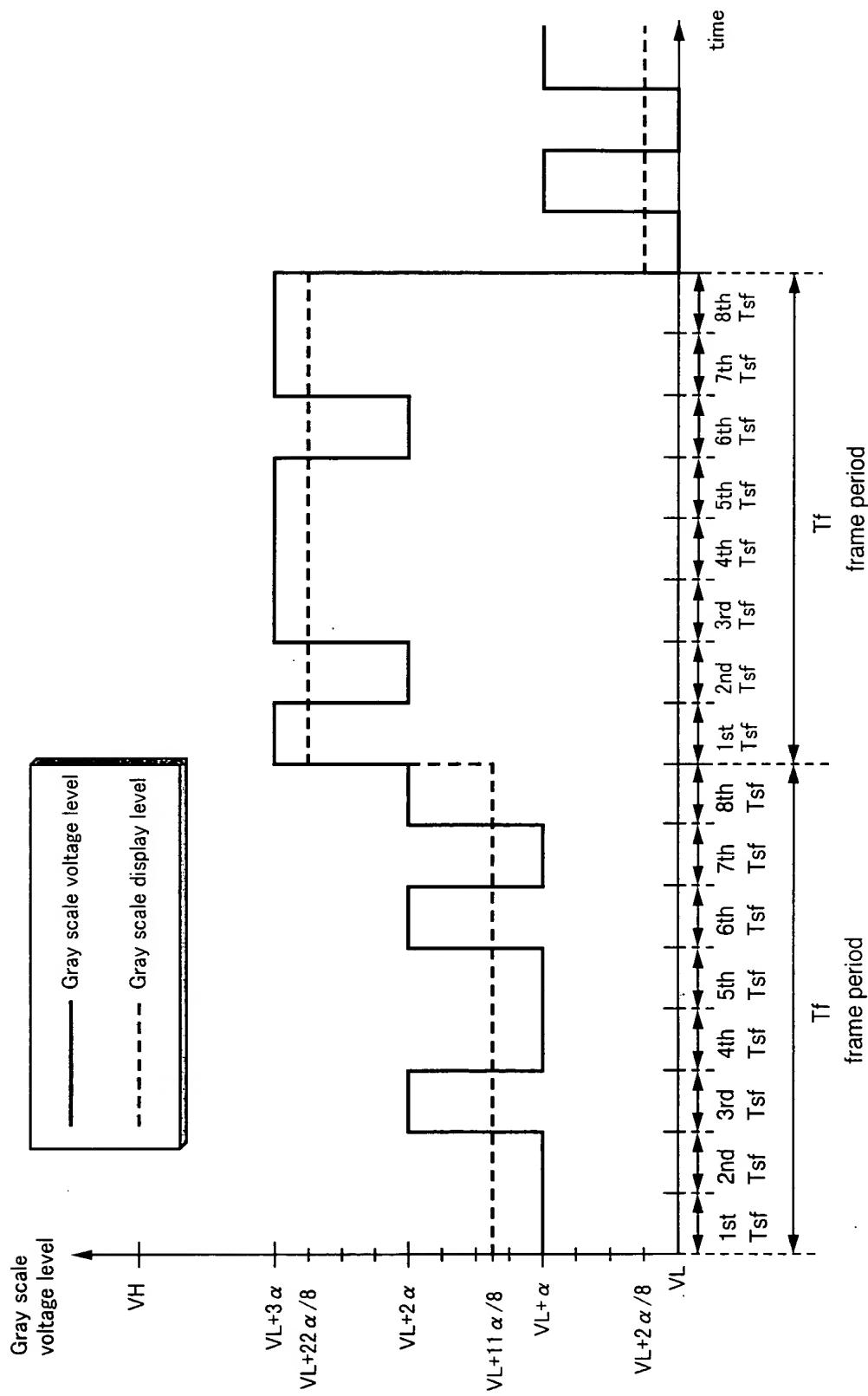


Fig. 9

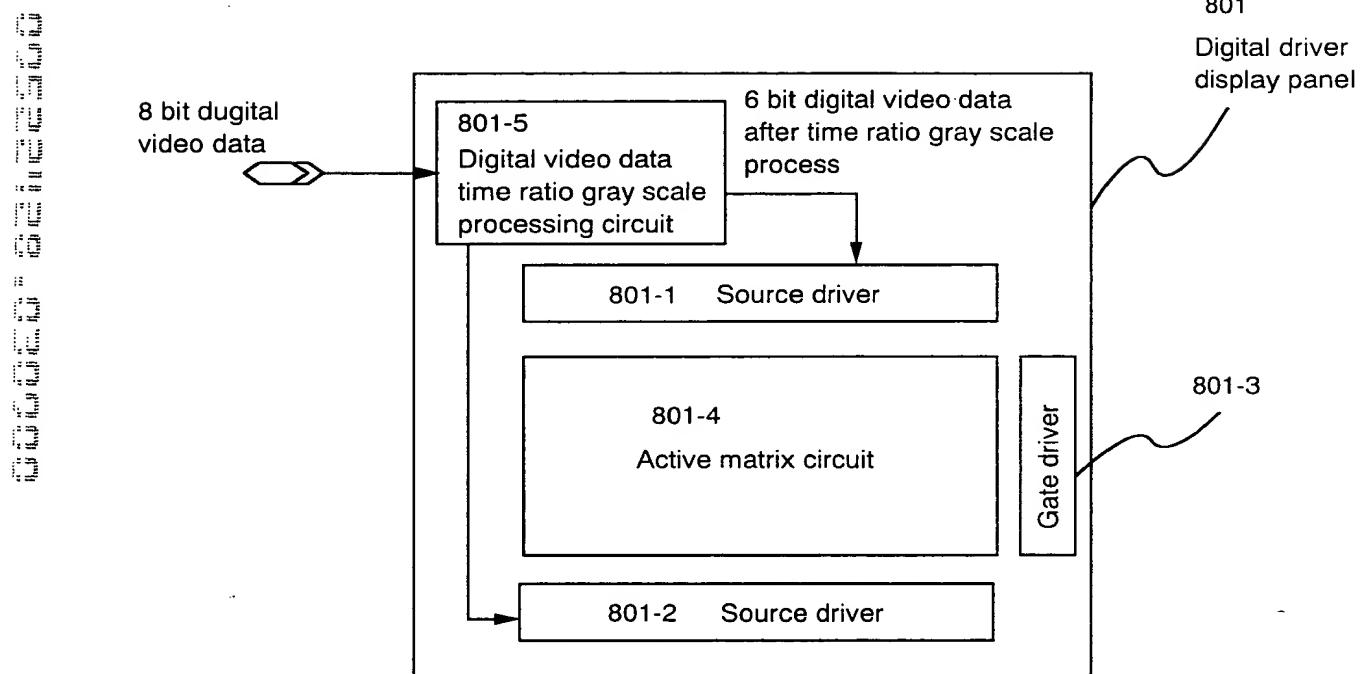
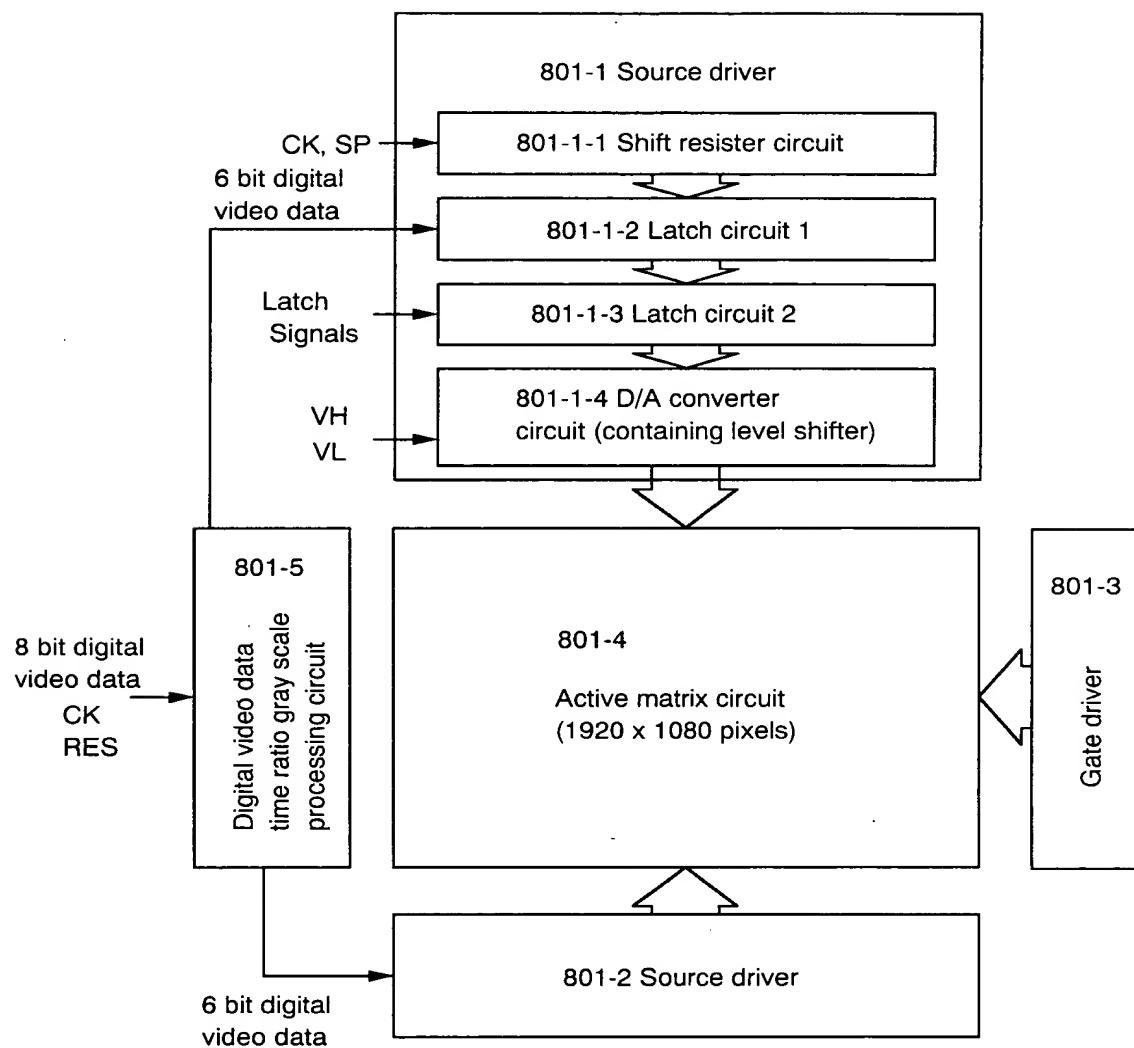
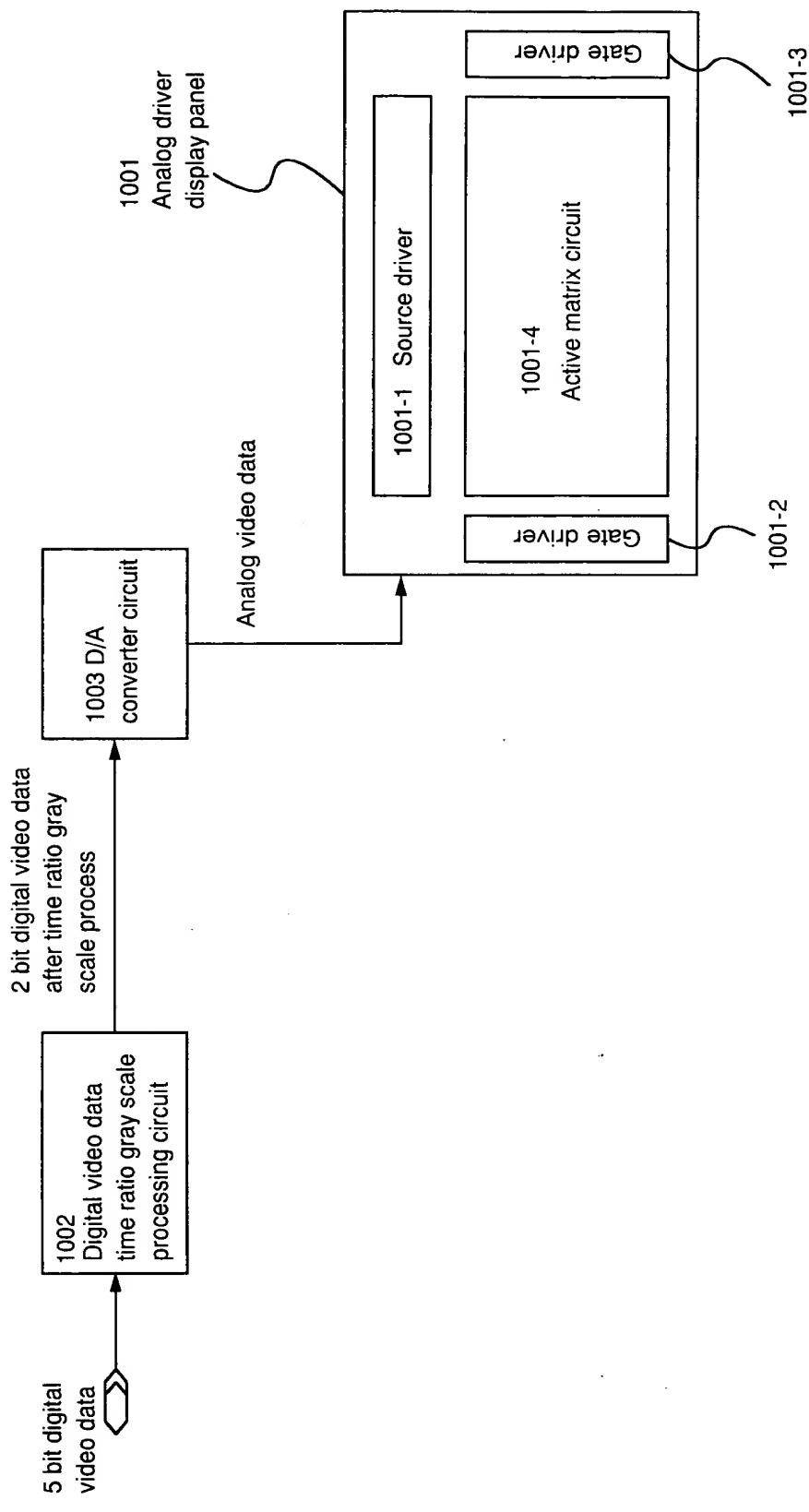


Fig. 10



**Fig. 11**



**Fig. 12**

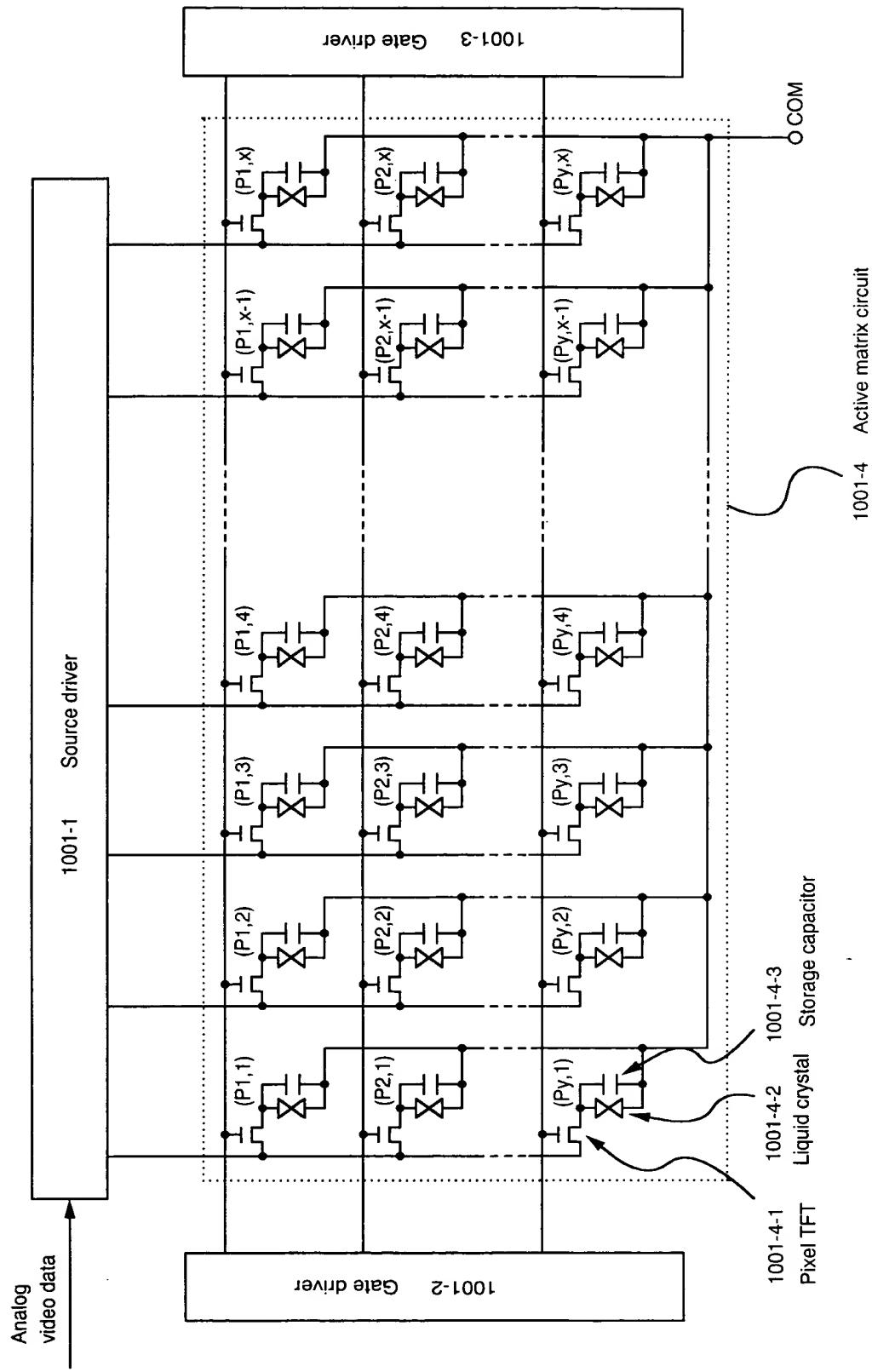


Fig. 13

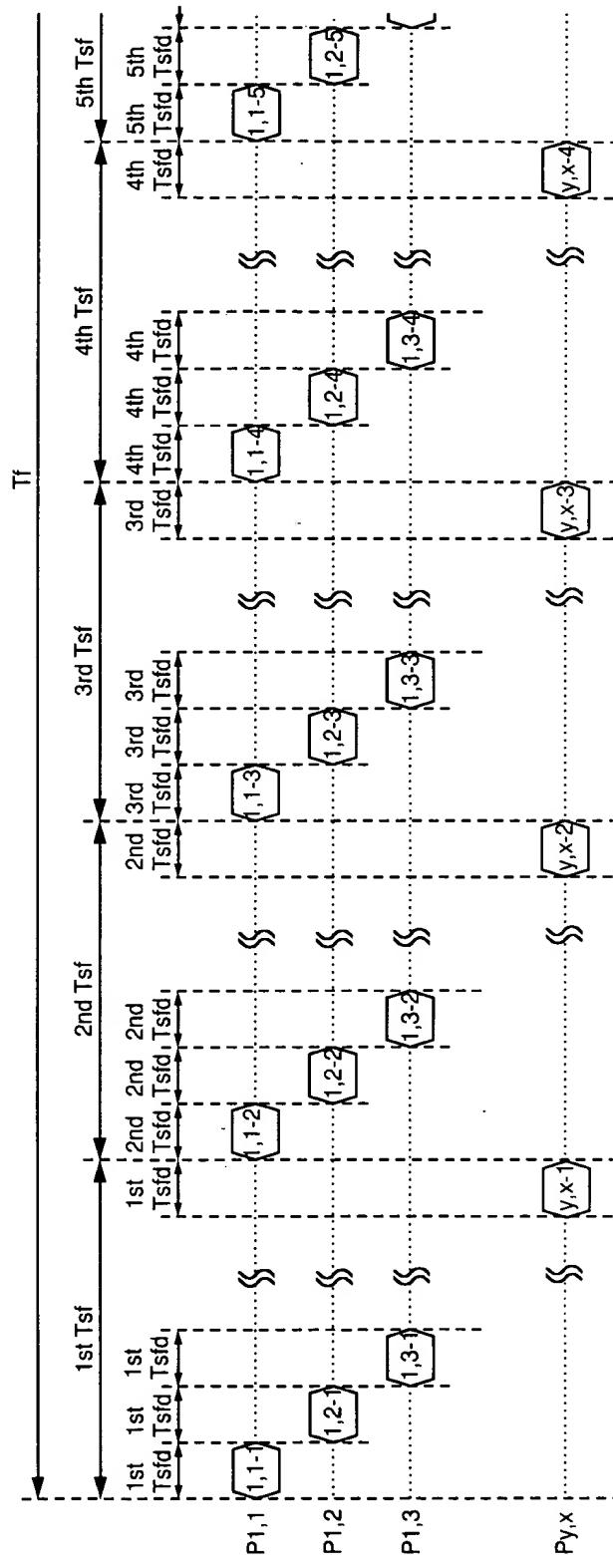
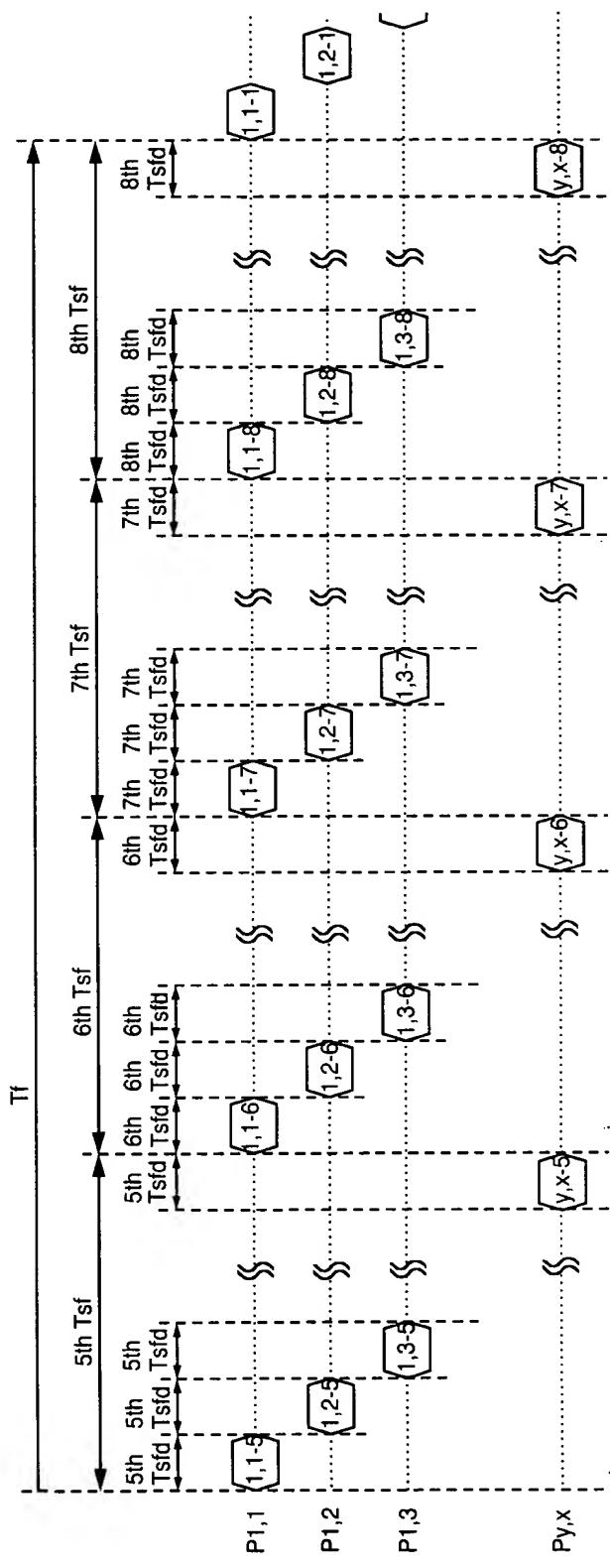


Fig. 14



Introducing n-type impurity

Fig. 15A

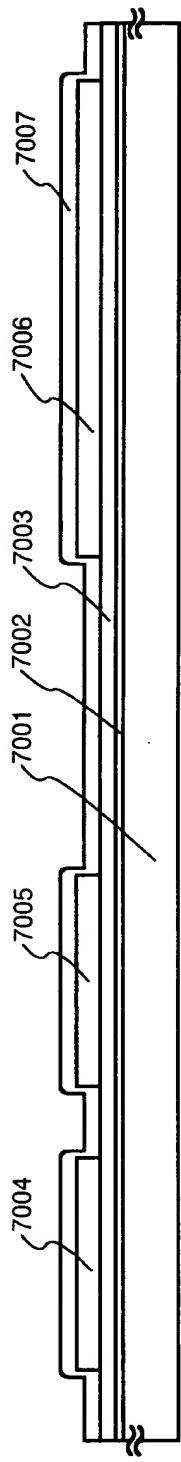


Fig. 15B

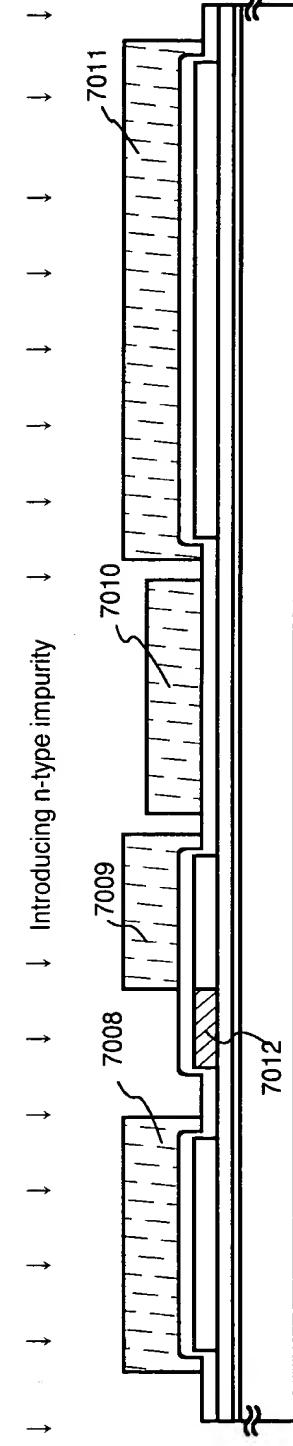


Fig. 15C

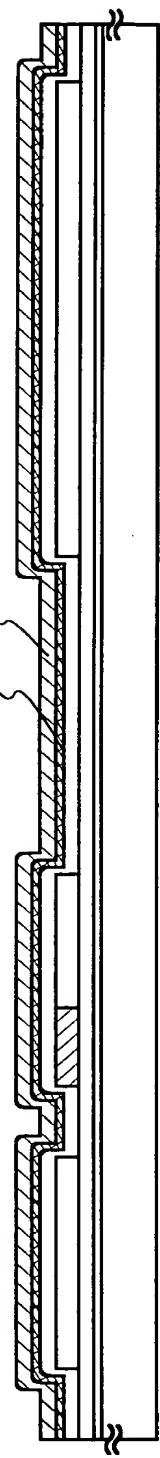


Fig. 16A

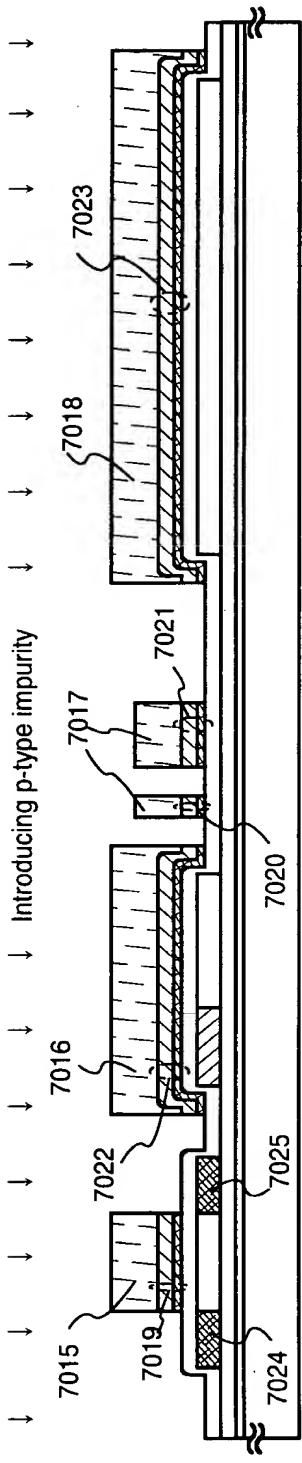


Fig. 16B

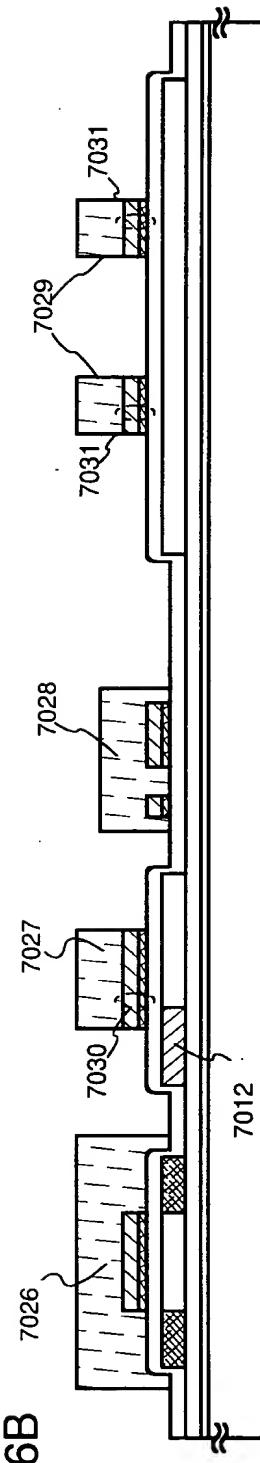


Fig. 16C

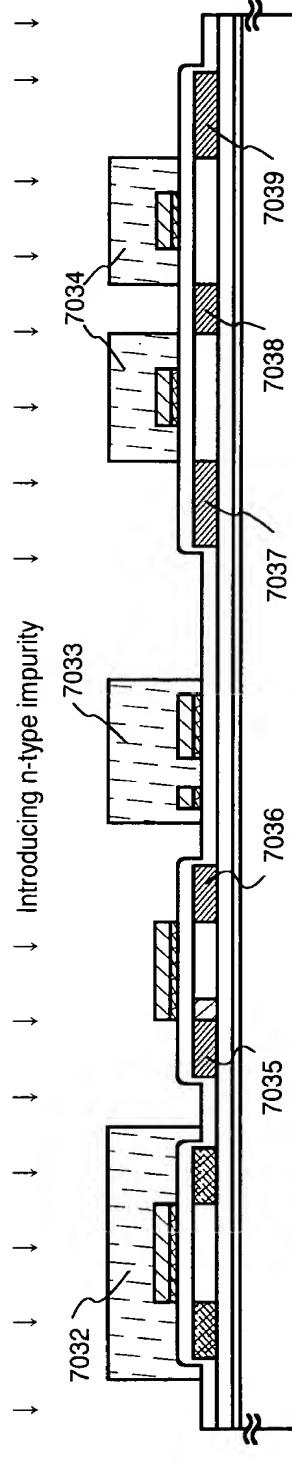


Fig. 17A

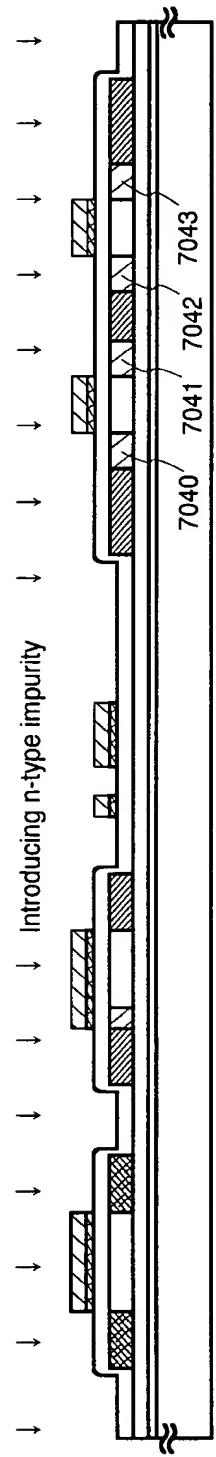


Fig. 17B

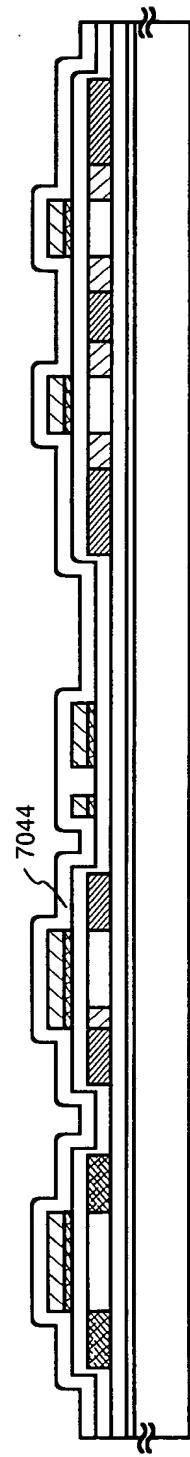


Fig. 17C

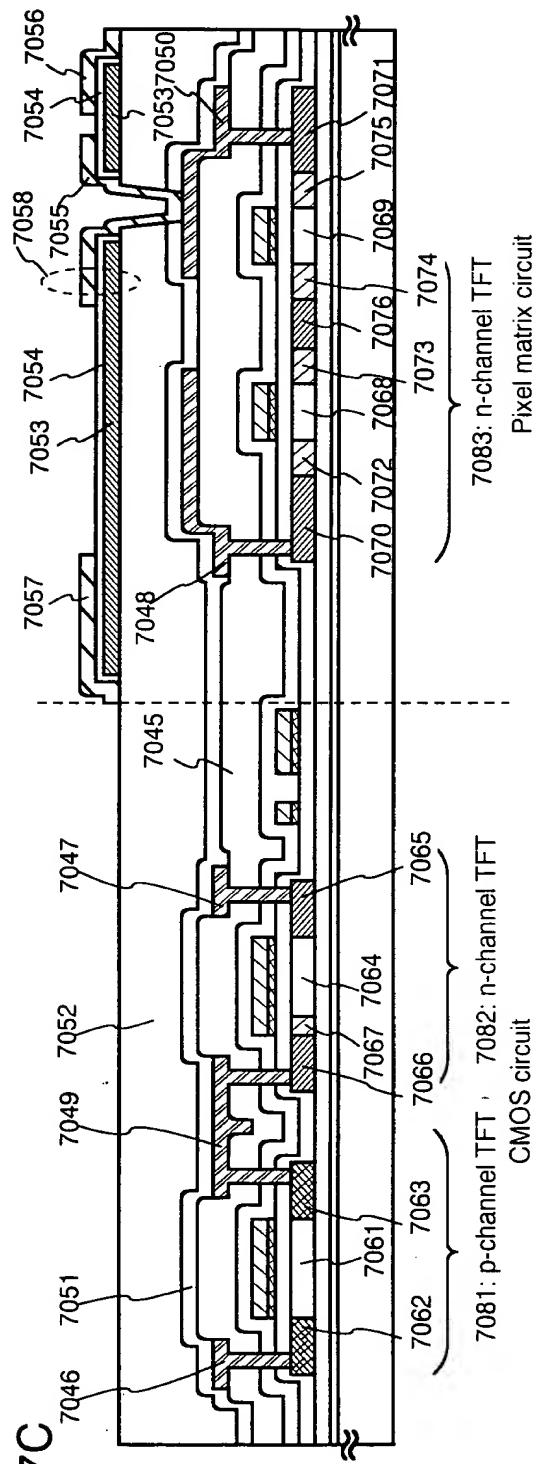


Fig. 18A

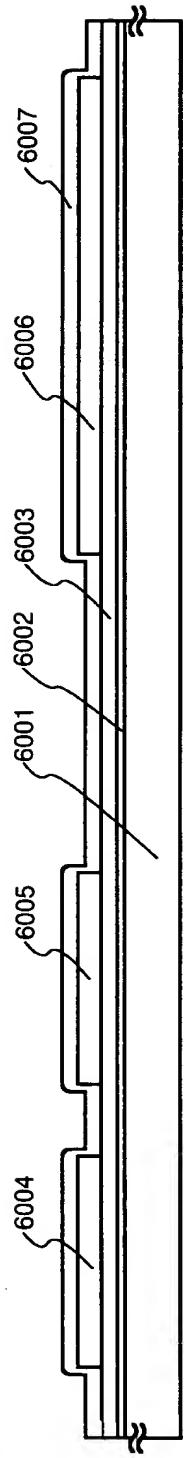


Fig. 18B

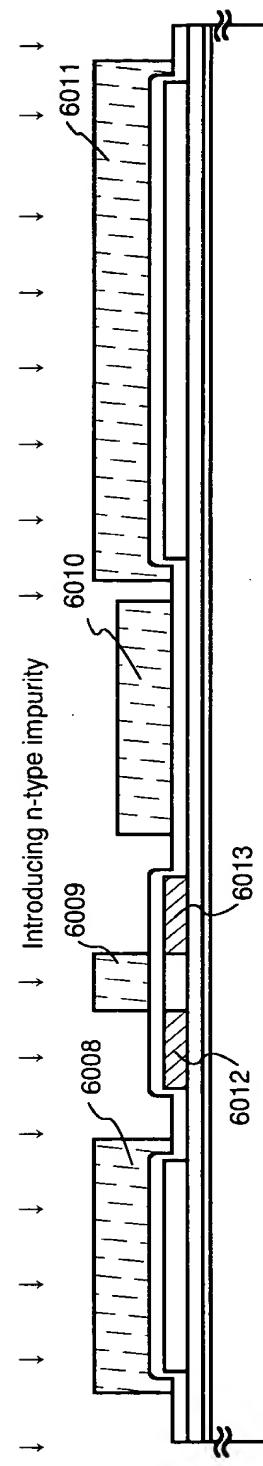


Fig. 18C

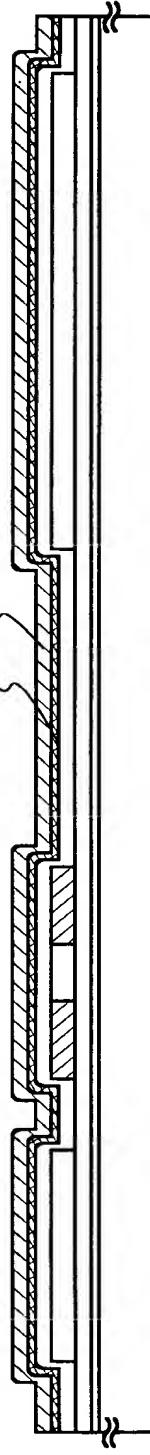


Fig. 19A

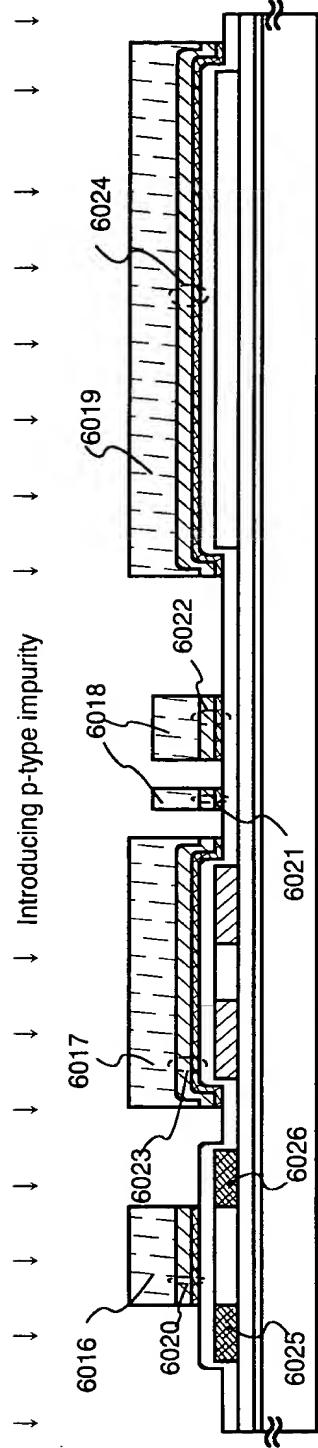


Fig. 19B

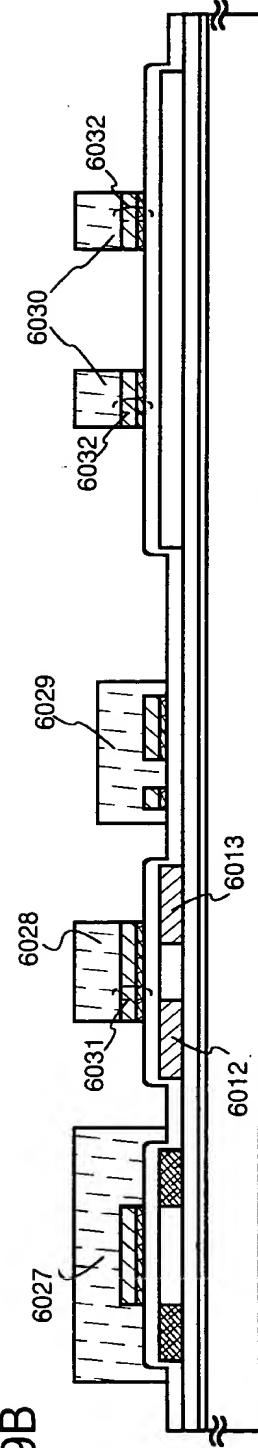


Fig. 19C

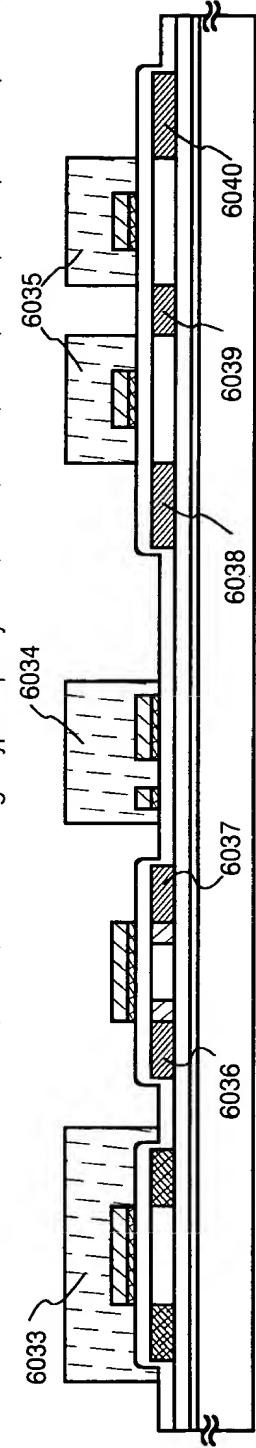


Fig. 20A

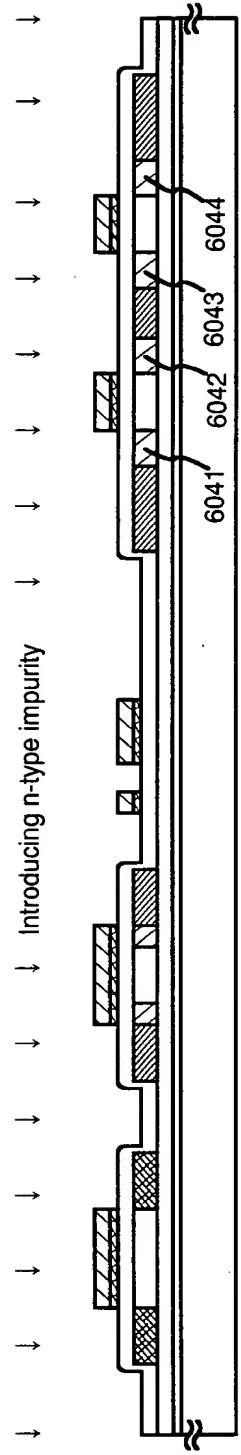


Fig. 20B

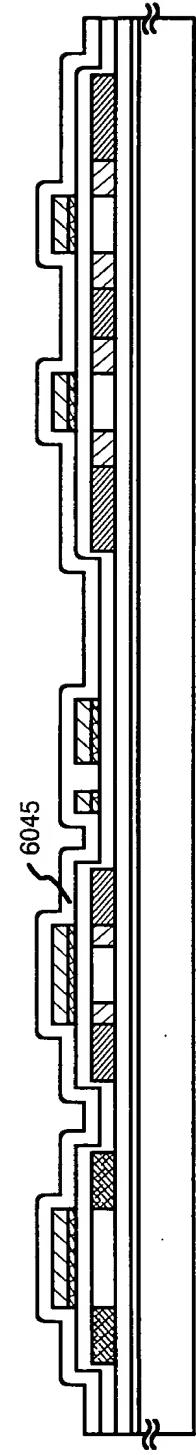


Fig. 20C

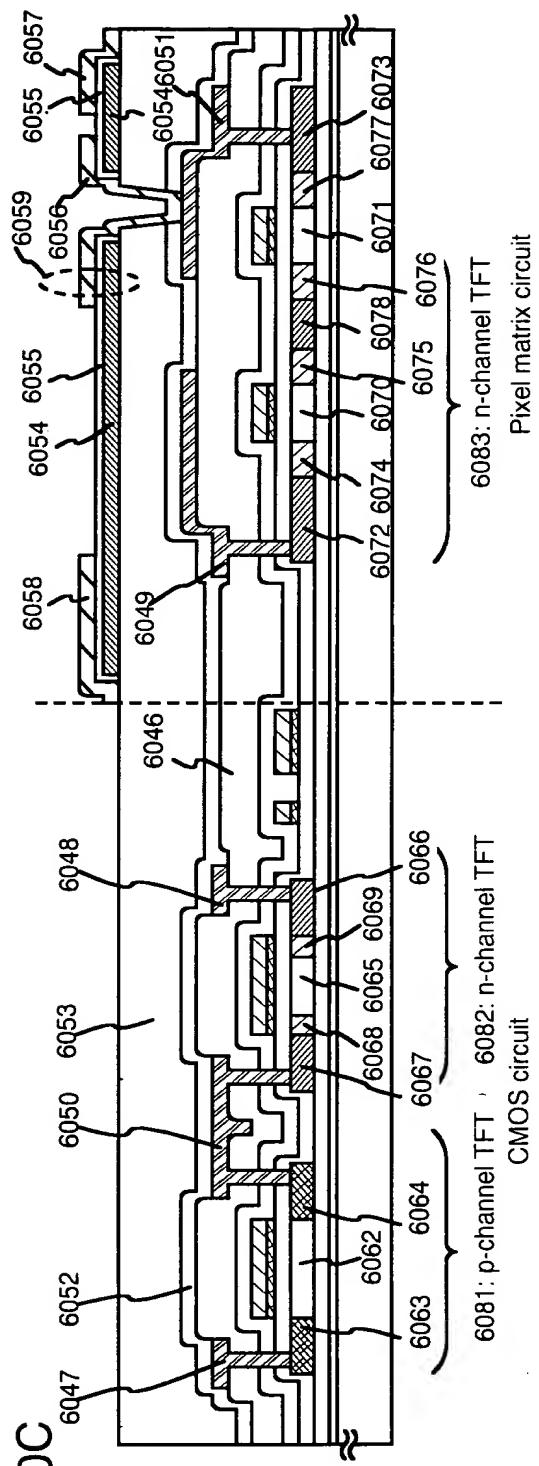


Fig. 21

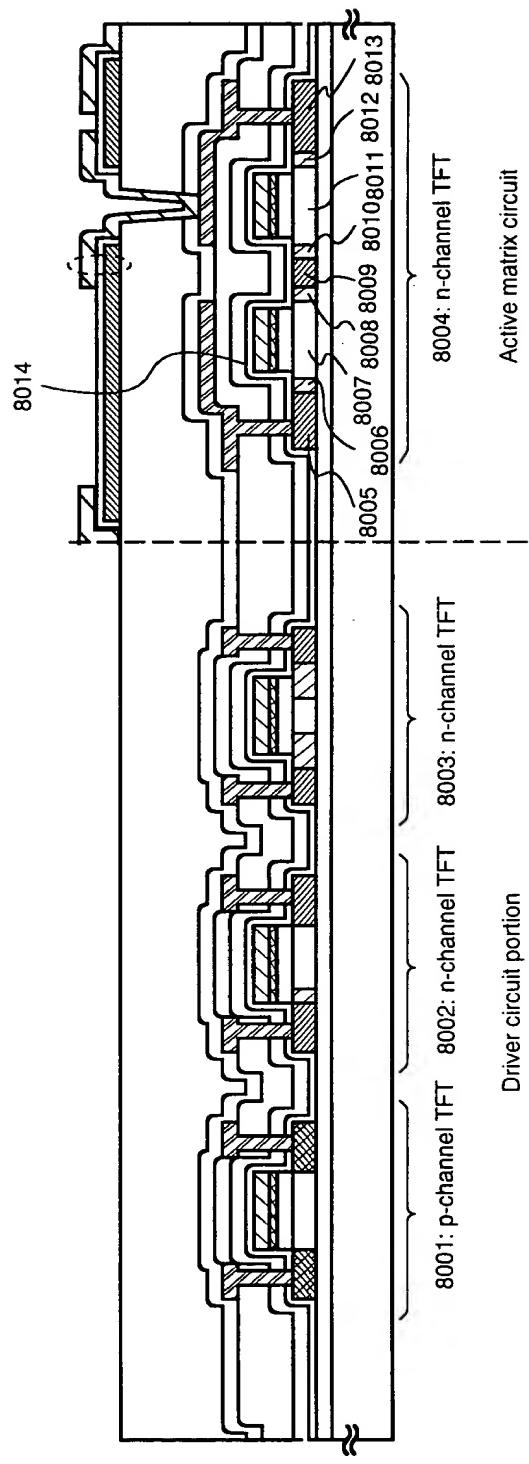


Fig. 22

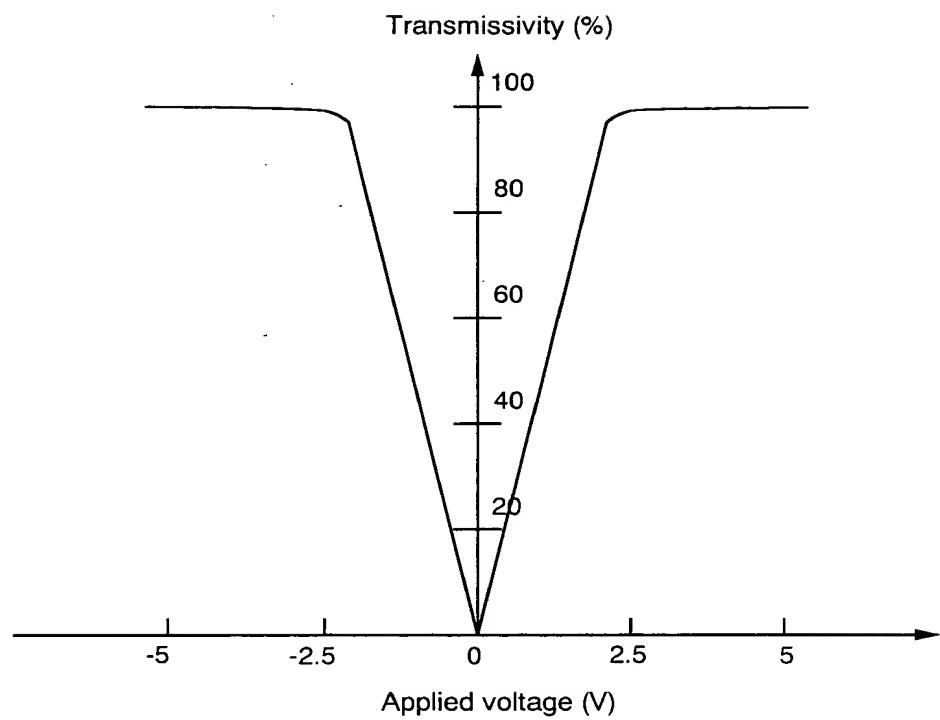


Fig. 23

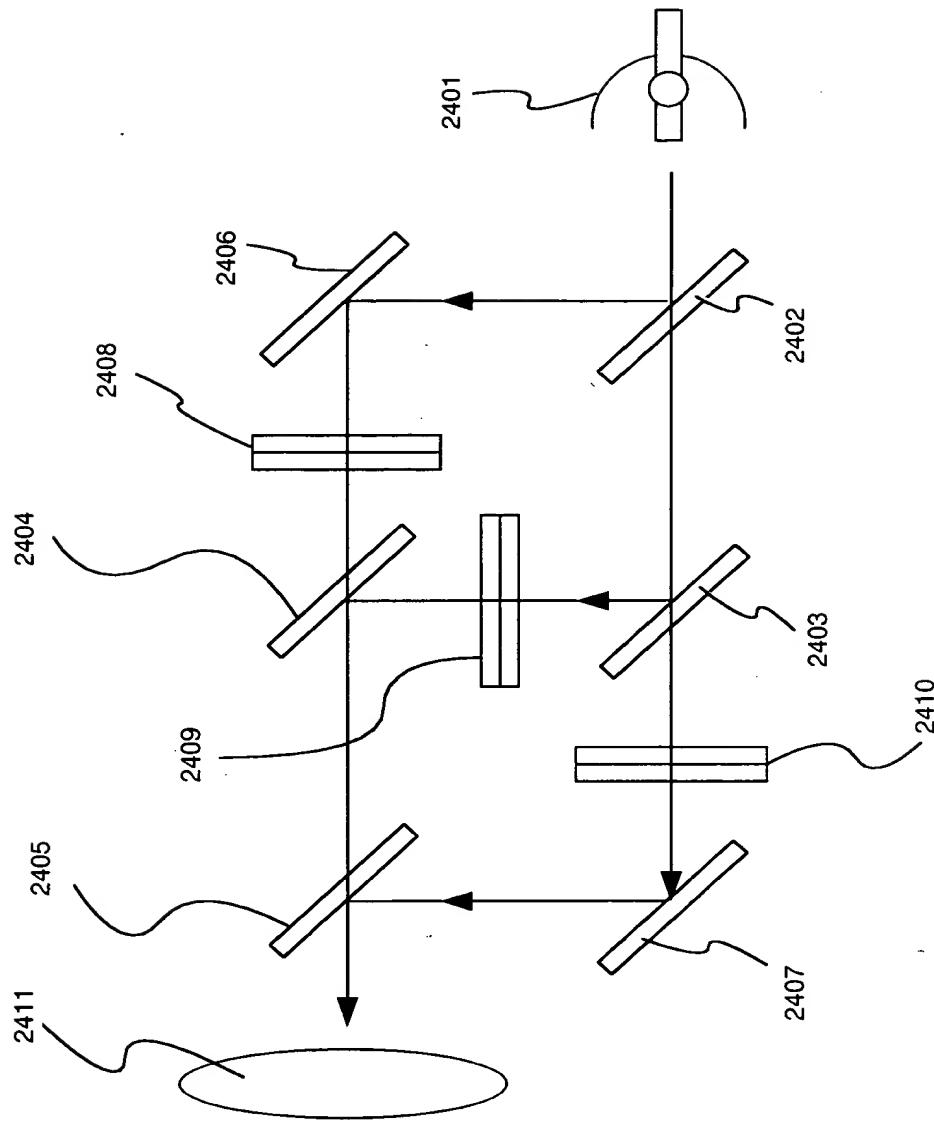


Fig. 24

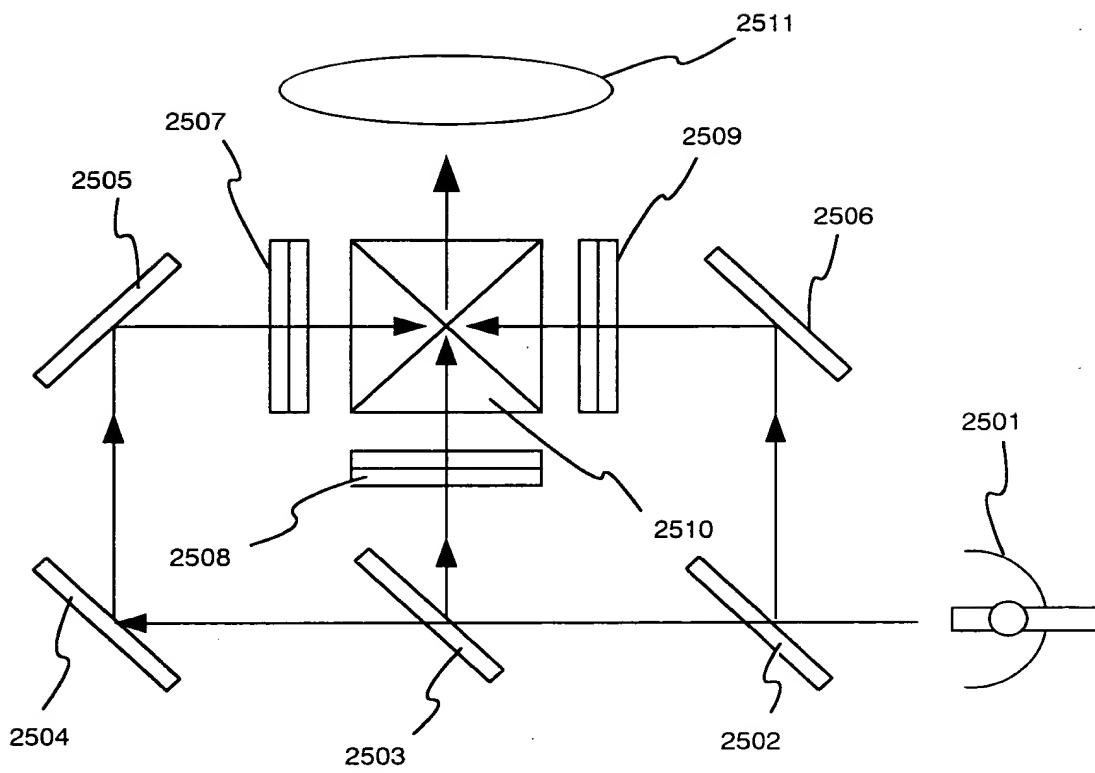


Fig. 25

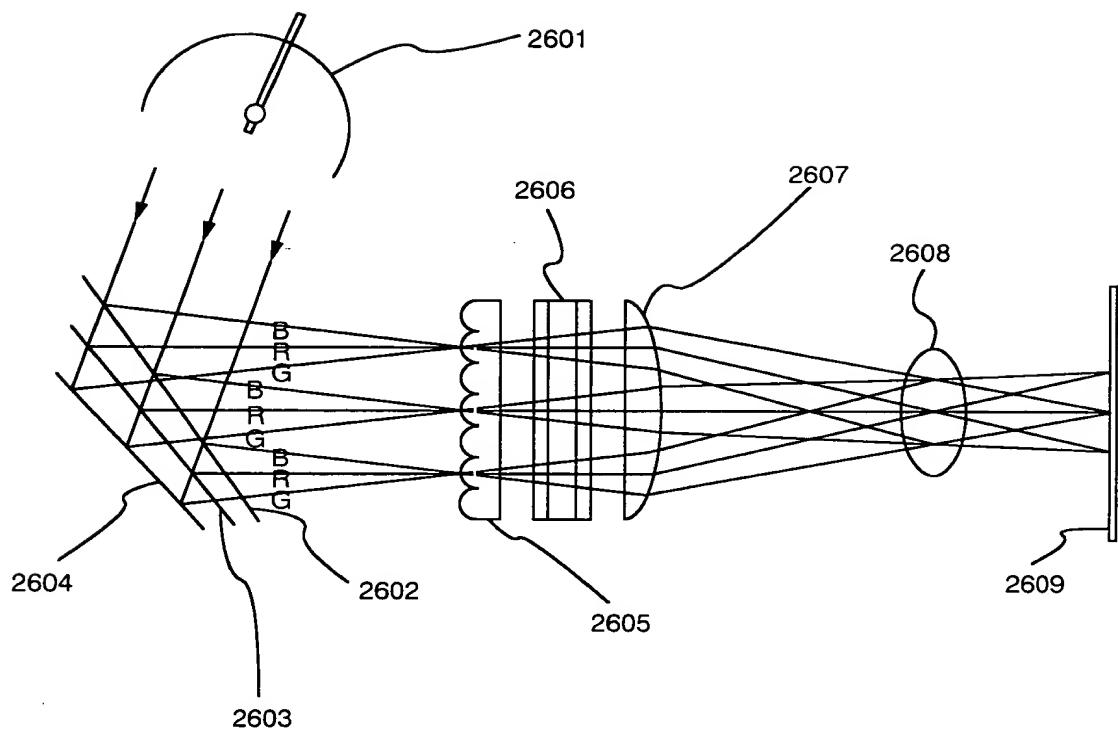


Fig. 26A

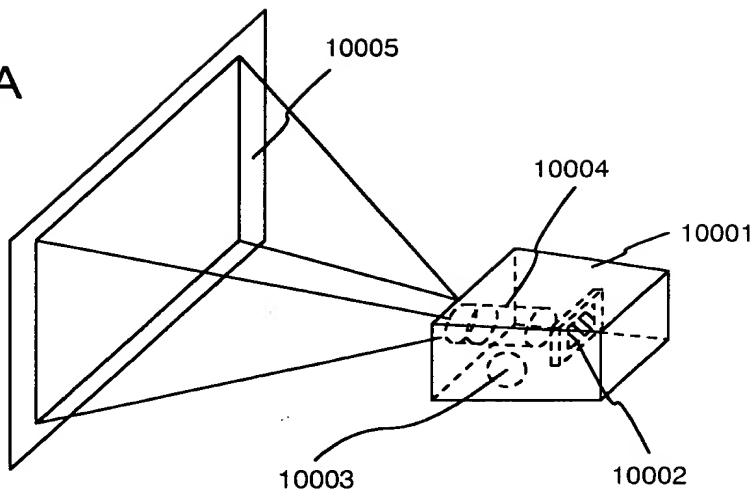


Fig. 26B

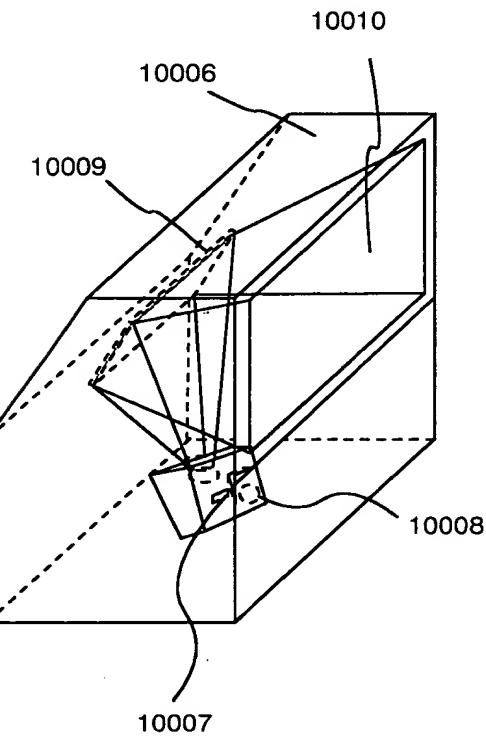


Fig. 27

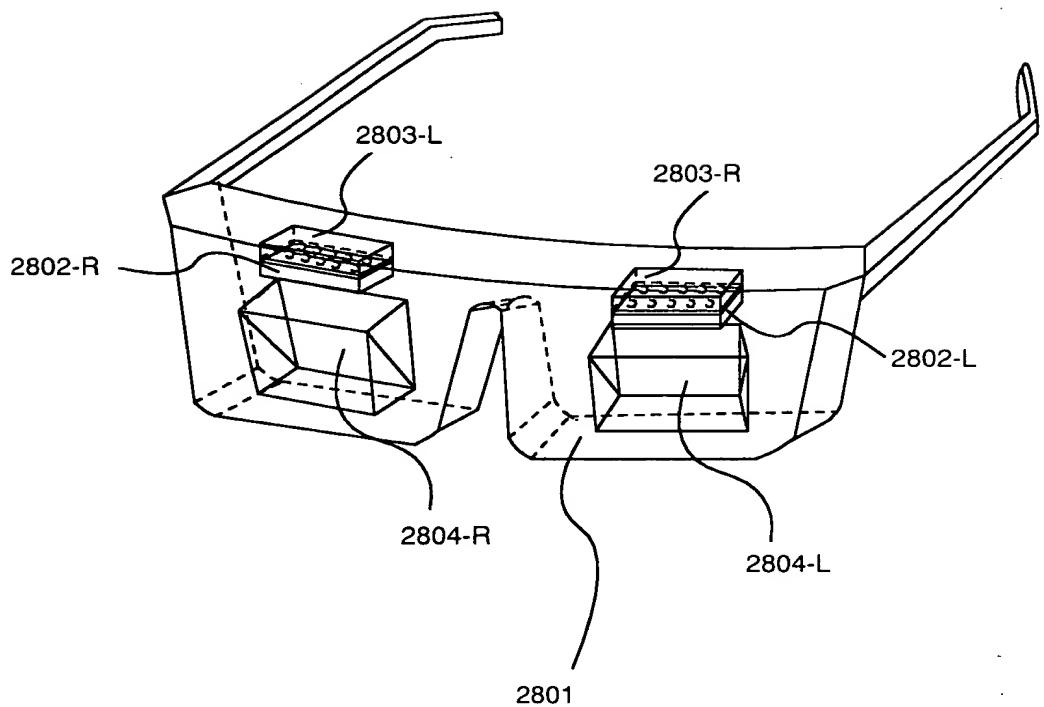


Fig. 28

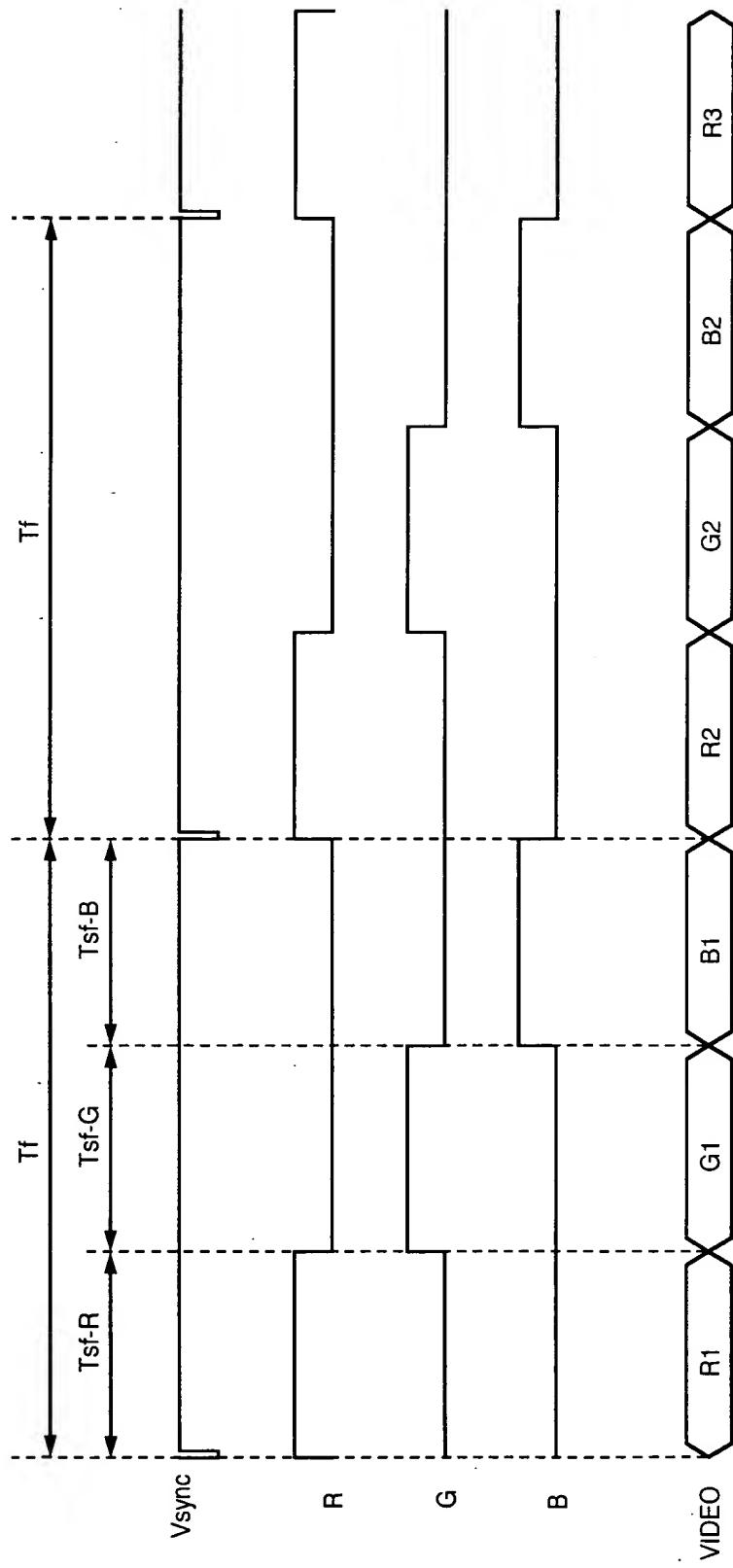
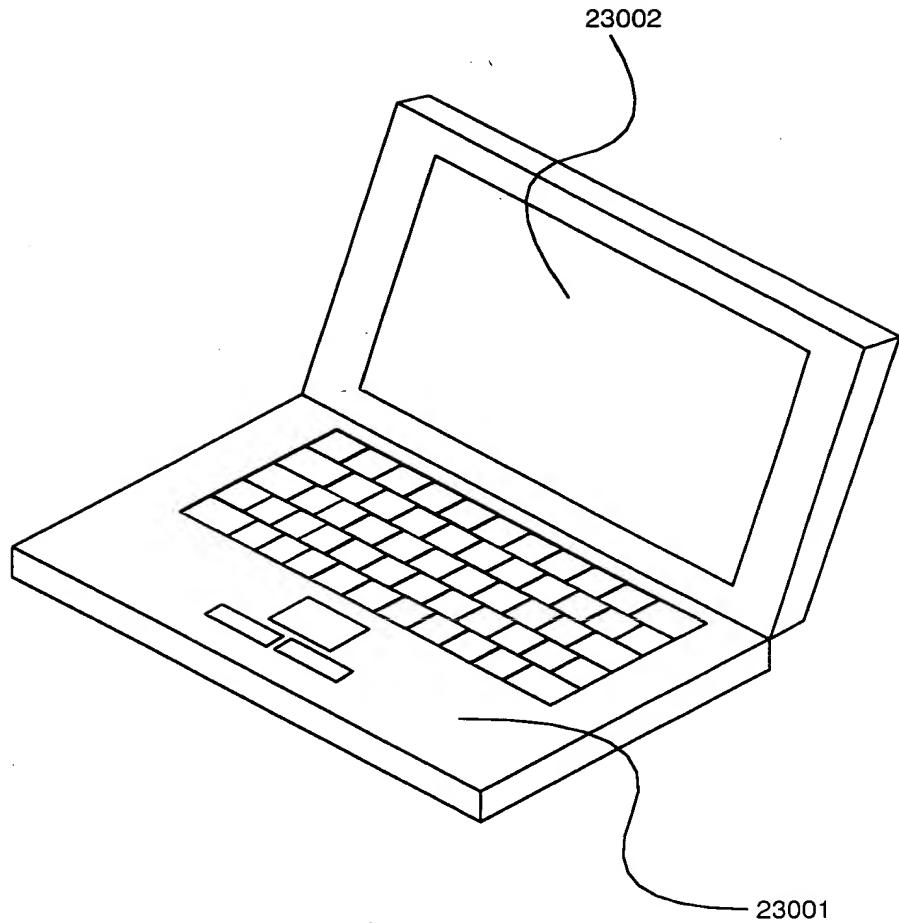


Fig. 29



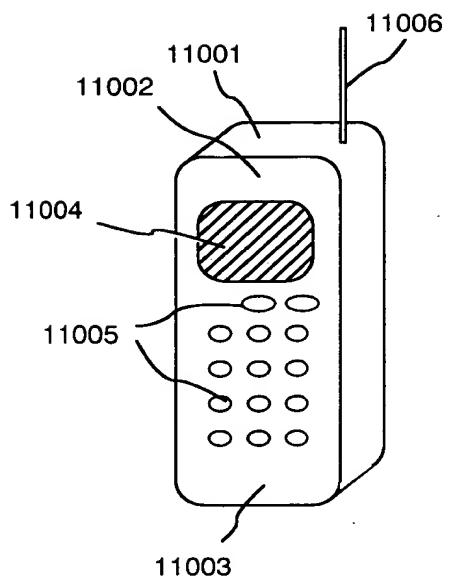


Fig. 30A

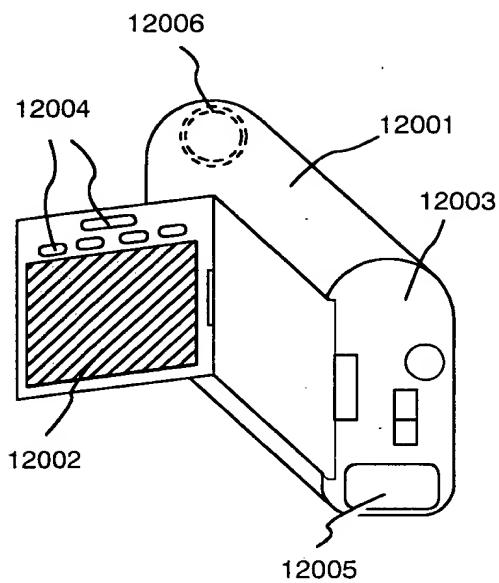


Fig. 30B

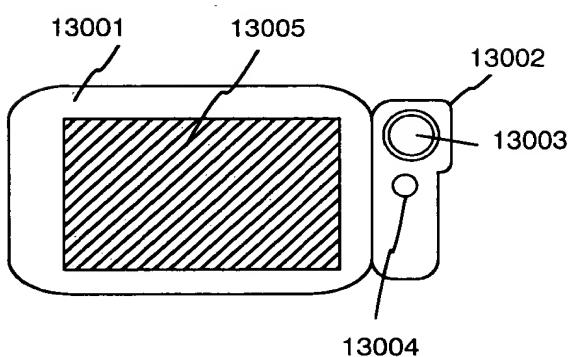


Fig. 30C

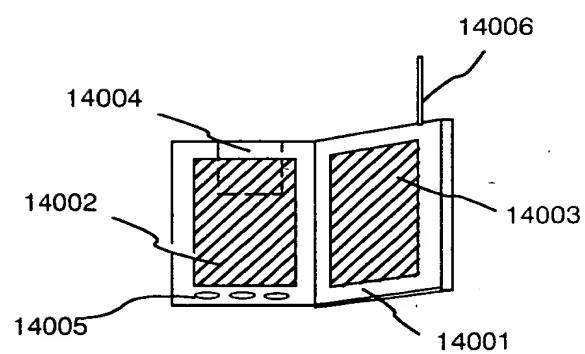


Fig. 30D

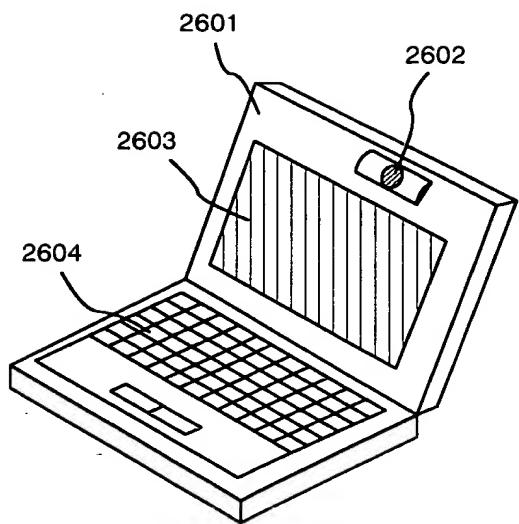


Fig. 31A

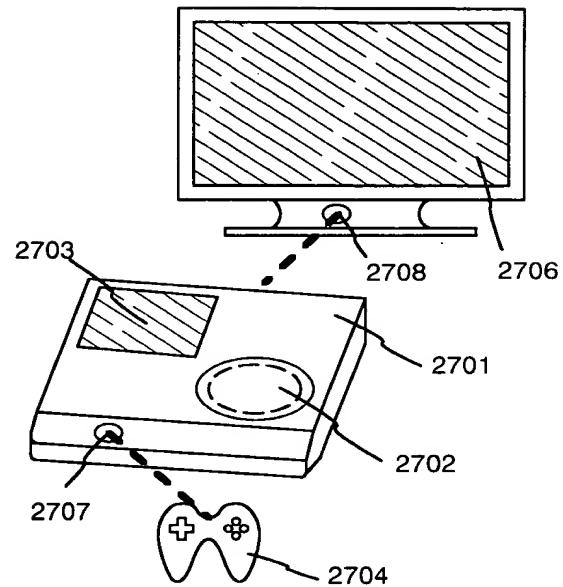


Fig. 31B

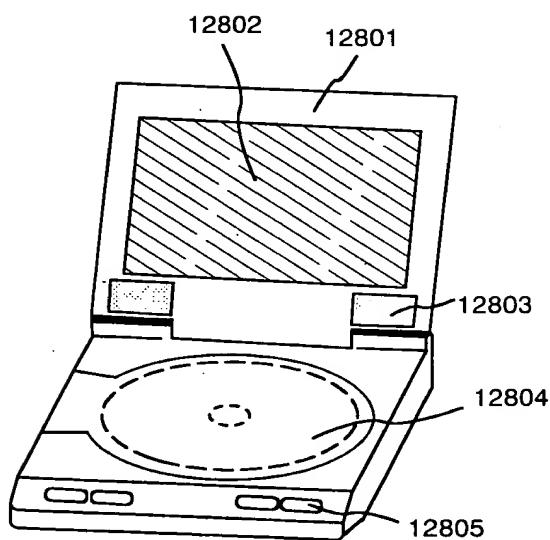


Fig. 31C

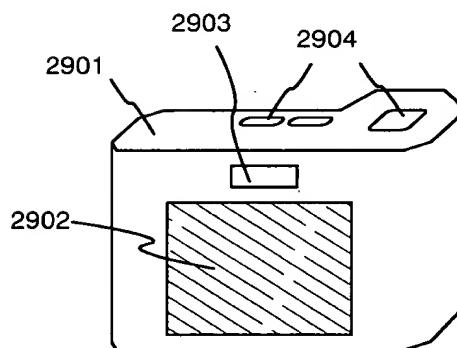


Fig. 31D

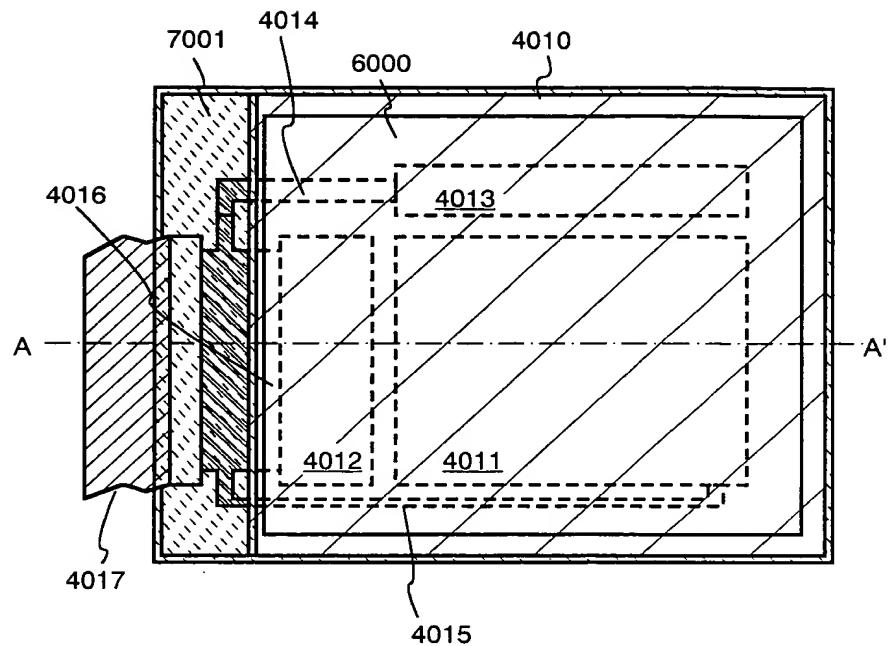


Fig.32A

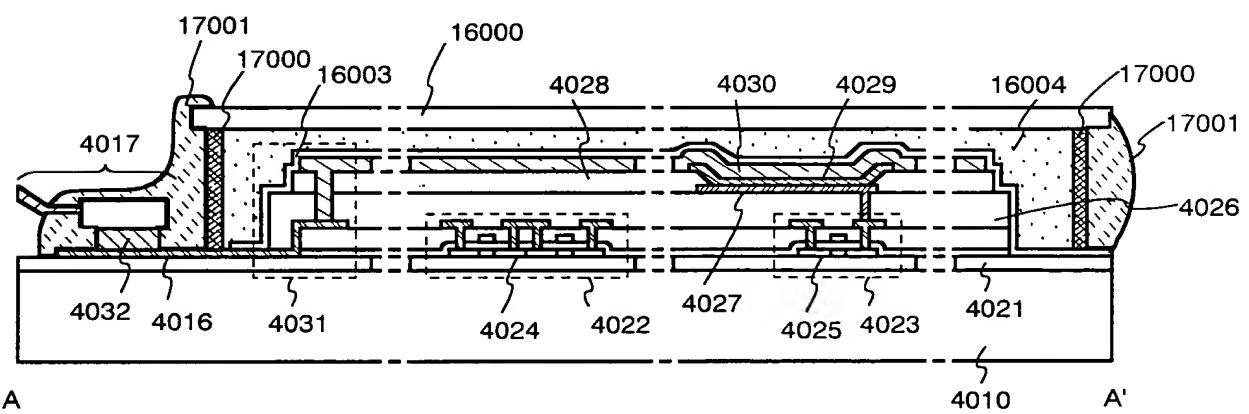


Fig.32B

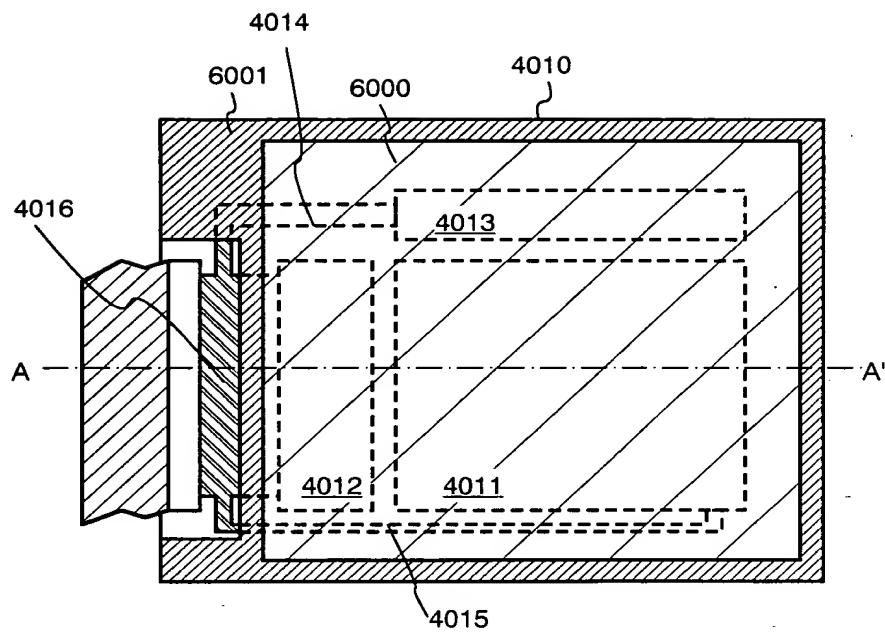


Fig.33A

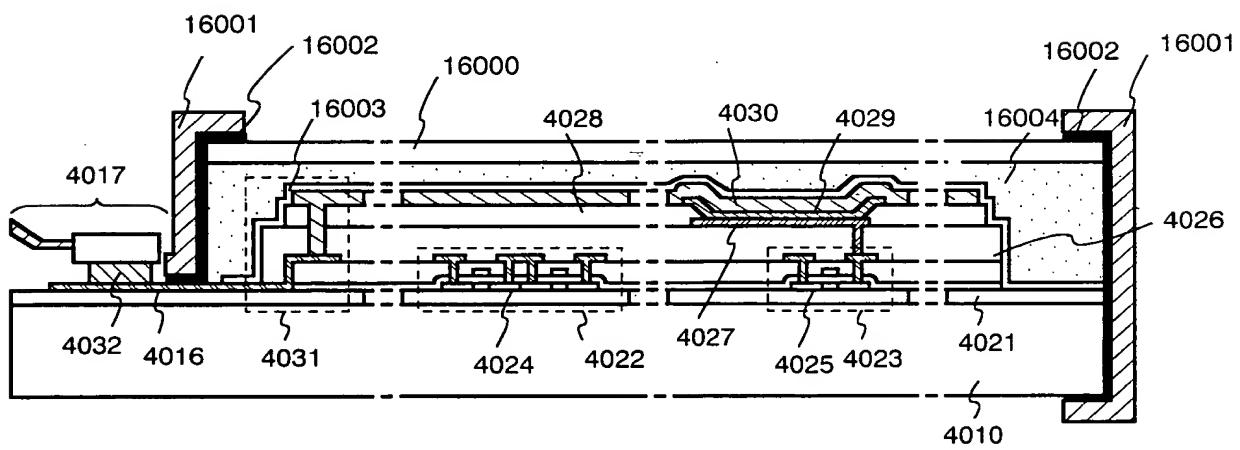
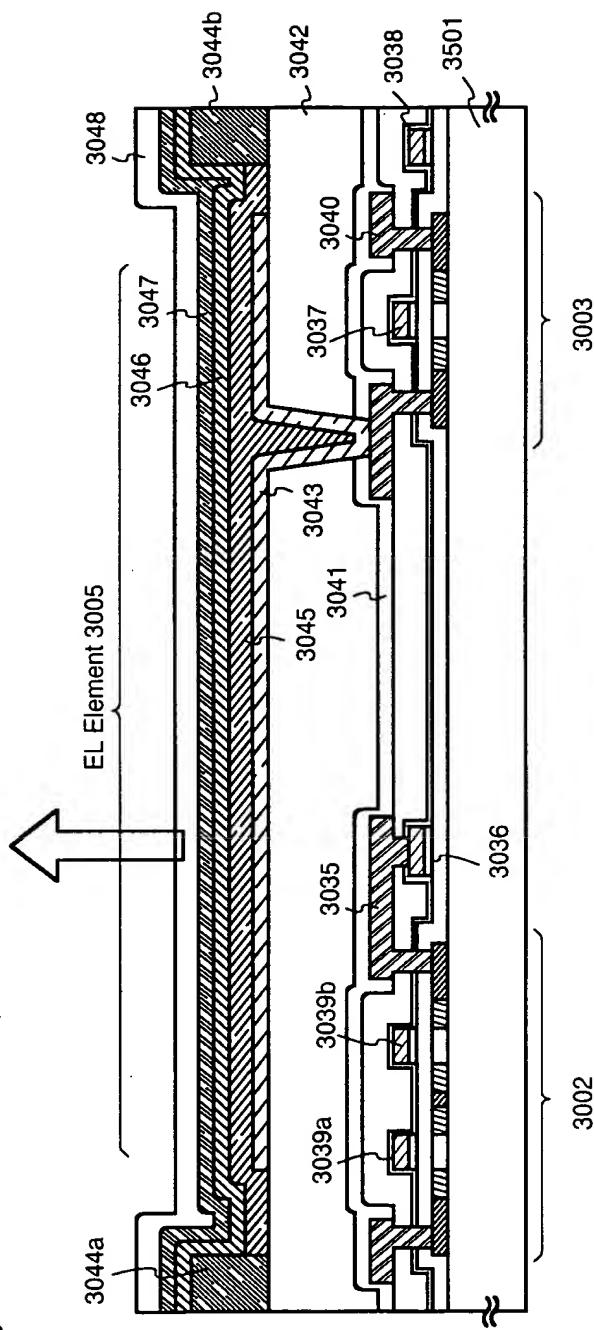


Fig.33B

**Fig. 34**



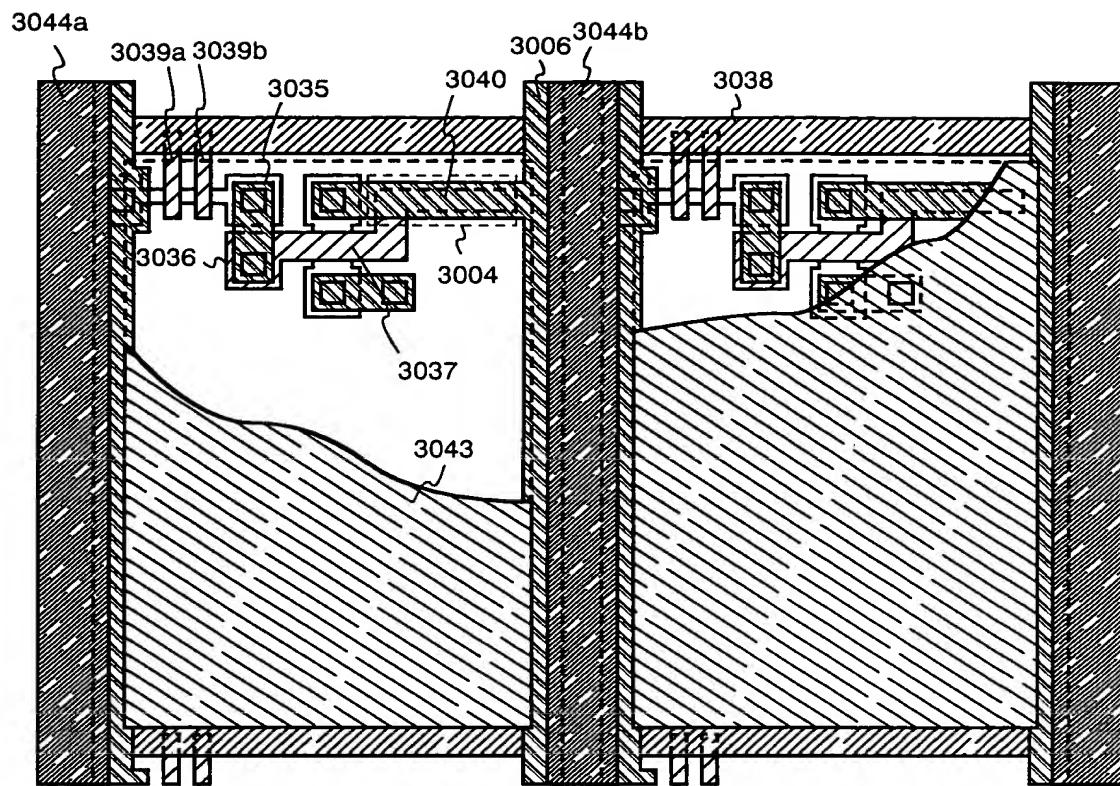


Fig. 35A

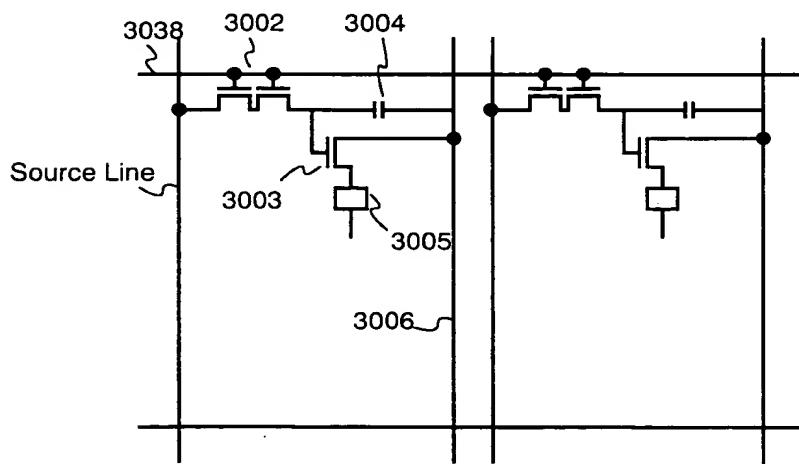
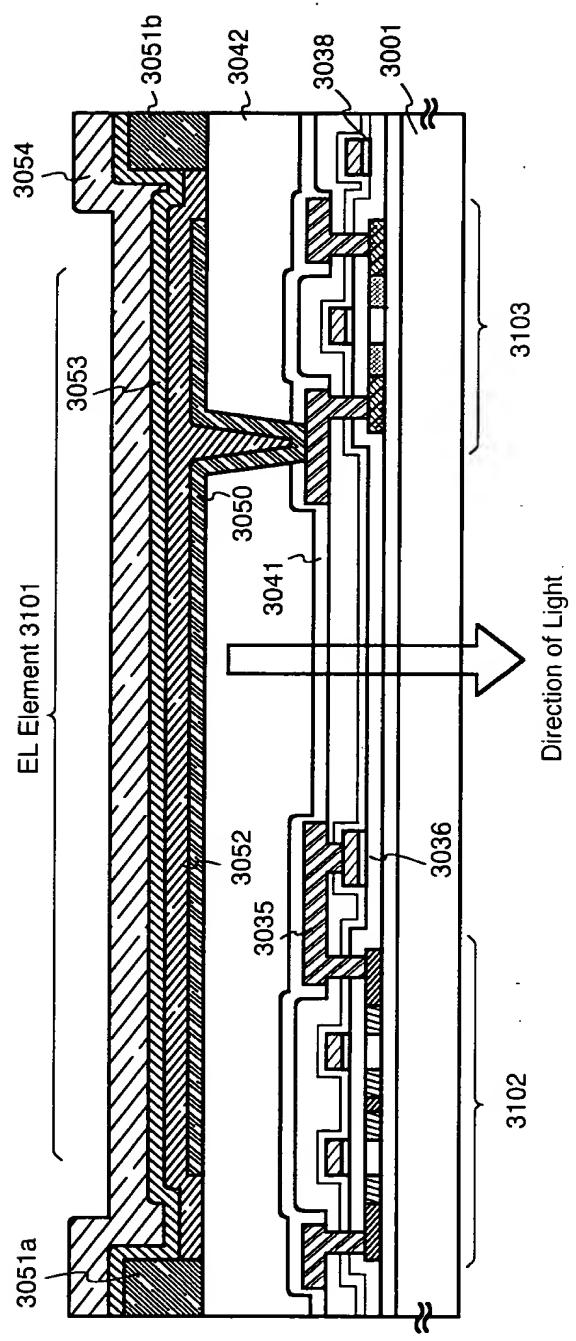


Fig. 35B

Fig. 36



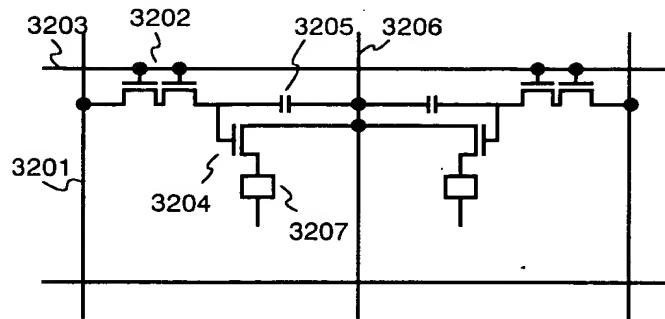


Fig.37A

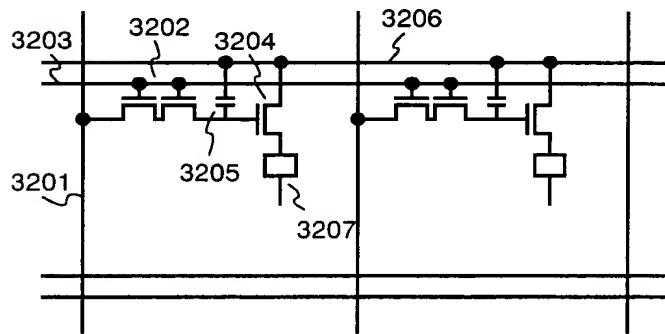


Fig.37B

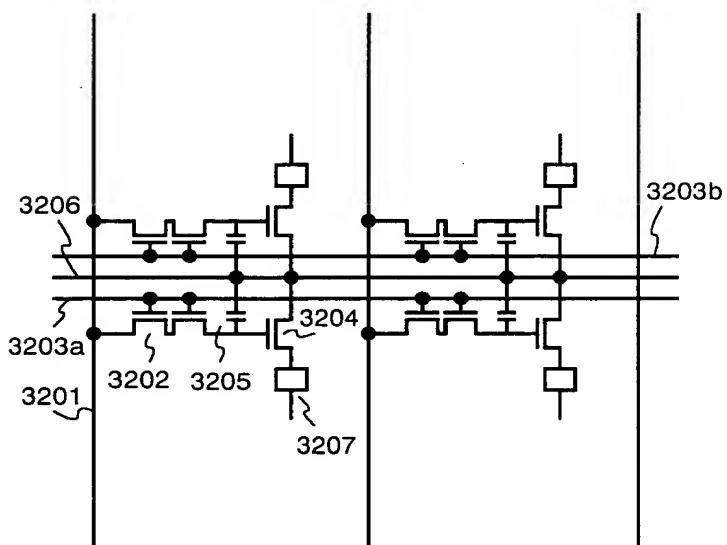


Fig.37C